

RECORD OF PROCEEDINGS
OF THE
BOARD OF TRUSTEES
OF THE
OHIO STATE UNIVERSITY

COLUMBUS

July 1, 1963 to June 30, 1964

1963-1964

THE OHIO STATE UNIVERSITY

NOVICE G. FAWCETT, *President*

BOARD OF TRUSTEES

	Term Beginning	Term Expiring
THOMAS F. PATTON, Cleveland.....	May 14, 1957	May 13, 1964
SMITH L. RAIRDON, Toledo.....	May 14, 1958	May 13, 1965
ALAN B. LOOP, Toledo.....	July 23, 1959	May 13, 1966
JACOB E. DAVIS, Cincinnati.....	February 6, 1961	May 13, 1967
STANLEY C. ALLYN, ¹ Dayton.....	May 14, 1961	May 13, 1968
JOHN W. BRICKER, ² Columbus.....	May 14, 1962	May 13, 1969
CARLTON S. DARGUSCH, ³ Columbus.....	May 14, 1963	May 13, 1970
JOHN G. KETTERER, Canton.....	October 18, 1963	May 14, 1971
FREDERICK E. JONES, Columbus.....	October 18, 1963	May 14, 1972

¹ Succeeded Charles F. Kettering who died November 25, 1958. (January 8, 1959-May 13, 1961)

² Served two previous terms (1948-1962)

³ Served three previous terms (1938-1959)

OFFICERS

1963-1964

THOMAS F. PATTON, *Chairman*

SMITH L. RAIRDON, *Vice Chairman*

JOHN T. MOUNT, *Secretary*

GORDON B. CARSON, *Treasurer*

THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
NINE HUNDRED AND EIGHTY-SECOND MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, July 12, 1963

The Board of Trustees met at its regular monthly meeting on Friday, July 12, 1963, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: Thomas F. Patton, Chairman, Smith L. Rairdon, Alan B. Loop, Jacob E. Davis, Stanley C. Allyn, and John W. Bricker.

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The minutes of the last meeting were approved.

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July 12, 1963 meeting, Board of Trustees

President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Clarification of Fees Approved to be
Effective Autumn Quarter 1963

At the June 14, 1963 meeting of the Board of Trustees, several adjustments in student fees were approved to become effective Autumn Quarter 1963. To clarify certain details related to these adjustments, it is recommended

1. that the fee for part-time students (those carrying six credit hours or less or enrolled for one term of a Summer Quarter) be assessed at an even dollar rate of \$63.00 per quarter;
2. that the non-resident fee for part-time students be assessed at an even dollar rate of \$83.00 per quarter; and
3. that the non-resident fee be assessed, when applicable, to students attending branch centers and that this assessment be made on the basis of the same formula used to assess resident fees for students attending branch centers.

Upon motion of Mr. Davis, seconded by Mr. Loop, the above recommendation was approved by unanimous roll call vote.

B. Agricultural Extension Annual Personnel Budget
for the 1963-1964 Fiscal Year - Revised

The Board of Trustees at its June 14, 1963 meeting approved the 1963-64 annual personnel budget for the Agricultural Extension Service in the amount of \$3,468,502.00, subject to the legislative approval of the level of support indicated in lines 990 through 1005 of Amended H.B. 711. Final action by the General Assembly resulted in a \$60,000.00 reduction below this level. It is therefore recommended that the Agricultural Extension Service annual personnel budget from appropriated State and Federal Funds and Extension Rotaries in the reduced amount of \$3,408,502.00 be approved for the fiscal year beginning July 1, 1963.

Upon motion of Mr. Bricker, seconded by Mr. Davis, the Agricultural Extension Service personnel budget was unanimously approved by roll call vote, and the Secretary was instructed to file the "Salary Roll" detailing this budget with the official records of the University.

C. Degrees Conferred - Summer Quarter Commencement Convocation

It is recommended that degrees be conferred at the Summer Quarter Commencement Convocation on August 23, 1963 to those students who have completed requirements for their respective degrees and are recommended by the Faculty Council. The names of those awarded degrees will be included in the minutes of this meeting. (See Appendix I, page 31.)

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

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July 12, 1963 meeting, Board of Trustees

II. PERSONNEL CHANGES

It is recommended that all personnel changes since the June 14, 1963 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Appointment, Leaves of Absence Without Salary, and Emeritus Titles:

A. Appointment

Lloyd R. Evans, Assistant Dean, College of Medicine, and Associate Professor, Department of Medicine, effective September 1, 1963, at a salary of \$18,468.00 per annum. As Assistant Dean, he will be responsible for medical curriculum development and research in medical education.

B. Leaves of Absence Without Salary

Richard R. Newberg, Professor (part time - 43%), Agricultural Economics and Rural Sociology, October 1, 1963 through September 30, 1964, to work for the U. S. Agency for International Development in Brazil.

Carroll L. Shartle, Professor, Psychology, July 1, 1963 through September 30, 1963, to supervise an All-Services High Level Defense Department Research Organization, Washington, D. C.

Delos D. Wickens, Professor, Psychology, January 1, 1964 through March 31, 1964, to teach at the University of California, Berkeley, California.

E. Leonard Jossem, Associate Professor, Physics, October 1, 1963 through September 30, 1964, to serve with the National Commission sponsored by the American Institute of Physics and the American Association for Physics Teachers, Haverford, Pennsylvania.

Samuel C. Kelley, Associate Professor (part time - 25%), Economics, and Director, Labor Relations and Research Service (part time - 75%), July 1, 1963 through June 30, 1964, to work on a research project for the Organization for European Economic Cooperation, Paris, France.

Phebe M. Scott, Associate Professor, Women's Physical Education, June 17, 1963 through August 23, 1963, to become manager of the United States Women's Track Team which will compete in Europe.

H. Eric Solomon, Assistant Professor, English, April 1, 1964 through June 30, 1964, to be engaged in research.

Adrian H. Stilson, Assistant Professor, University School, October 1, 1963 through September 30, 1964, to attend the Army War College at Carlisle, Pennsylvania.

July 12, 1963 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

B. Leaves of Absence Without Salary (continued)

Charles B. Wheeler, Assistant Professor, English, April 1, 1964 through June 30, 1964, to complete writing a book.

Mary E. Wilsberg, Assistant Professor, University School, October 1, 1963 through September 30, 1964, to work on doctoral requirements at Columbia University.

Irma G. Fitzenrider, Instructor (County Extension Agent, Home Economics) Williams County, July 1, 1963 through July 31, 1963, because of illness in her family.

David D. Jenkins, Instructor (County Extension Agent, 4-H) Fairfield County, August 1, 1963 through June 15, 1964, to study at The Ohio State University.

C. Emeritus Titles

Earl H. Baxter, Pediatrics, with the title Professor Emeritus, effective July 1, 1963.

Elwyn G. Davies, College of Law, with the title Professor Emeritus, effective August 1, 1963.

Alexander H. Schutz, Romance Languages, with the title Professor Emeritus, effective July 1, 1963.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the Appointment, Leaves of Absence Without Salary, Emeritus Titles, and the personnel changes recorded in the official "Salary Roll" of the University were unanimously approved by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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III. GENERAL CONTRACTS AND AGREEMENTS

A. The Ohio State University and The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

1. Government Contracts - Federal

- a. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Services in Support of Research on the Chemistry of Fuels and Propulsion (to be known as Aeronautical Systems Division Project No. 1077 - Sup. #8 - RF Internal Supervision).
Gross Value - \$22,000.00.

July 12, 1963 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- b. Department of the Navy, Office of Naval Research, Washington 25, D. C. , for Conducting a Course of Instruction in Navy Price Analysis (to be known as Office of Naval Research Project No. 1086 - Amend. #6 - Defense Management Center).
Gross Value - \$29,000.00.
- c. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Spectroscopic Analysis of Plasma Flow (to be known as Aeronautical Systems Division Project No. 1390 - Sup. #4 - Department of Aeronautical and Astronautical Engineering).
Gross Value - \$4,007.00.
- d. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Contributive Research in Thermo-mechanics (to be known as Aeronautical Systems Division Project No. 1401 - Sup. #1 - RF Internal Supervision).
Gross Value - \$47,000.00.
- e. National Science Foundation, Washington 25, D. C. , for an Investigation of the Solar Spectrum in the Range 0.295-5.0 Microns (to be known as National Science Foundation Project No. 1482 - Amend. #1 - Department of Astronomy).
Gross Value - \$23,600.00.
- f. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research on Radiographic Techniques of Graphite Evaluation (to be known as Aeronautical Systems Division Project No. 1663 - New - Department of Welding Engineering).
Gross Value - \$26,839.00.
- g. National Science Foundation, Washington 25, D. C. , for an Investigation of Effects of Colloids on Plant Nutrition (to be known as National Science Foundation Project No. 1664 - New - Department of Agronomy).
Gross Value - \$30,500.00.
- h. Department of Health, Education and Welfare, Office of Education, Washington 25, D. C. , for A Word Count of Spoken Russian (to be known as Office of Education Project No. 1665 - New - Department of Slavic Languages and Literatures).
Gross Value - \$18,214.00.

July 12, 1963 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- i. U. S. Army Research Office (Durham), Box CM, Duke Station, Durham, North Carolina, for an Investigation of 4397-C - Initial Stages of Oxidation of Metals (to be known as U. S. Army Research Office (Durham) Project No. 1666 - New - Department of Metallurgical Engineering).
Gross Value - \$14,827.00.
- j. Headquarters, Aeronautical Chart and Information Center, USAF, Second and Arsenal, St. Louis 18, Missouri, for Collection, Reduction, Processing and Evaluation of Gravity Data (to be known as Aeronautical Chart and Information Center Project No. 1668 - New - Department of Geodetic Science).
Gross Value - \$38,000.00.
- k. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Statistical Classification of Mental Disorders (to be known as National Institutes of Health Project No. 1669 - New - Department of Psychiatry).
Gross Value - \$2,210.00.
- l. National Science Foundation, Washington 25, D. C., for Ecology and Floristic Investigations of Antarctic Lichens (to be known as National Science Foundation Project No. 1671 - New - Institute of Polar Studies).
Gross Value - \$17,900.00.
- m. National Science Foundation, Washington 25, D. C., for an Investigation of Byrd Station Glaciology, 1963-64 (to be known as National Science Foundation Project No. 1672 - New - Institute of Polar Studies).
Gross Value - \$28,200.00.
- n. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois, for A Study of the Mechanism of Stress Corrosion Cracking in the Iron-Nickel-Chromium Alloy System (to be known as U. S. Atomic Energy Commission Project No. 1673 - New - Department of Metallurgical Engineering).
Gross Value - \$99,767.00.
- o. U. S. Army Research Office (Durham), Box CM, Duke Station, Durham, North Carolina, for an Investigation of 4348-M Poly-groupoids (to be known as U. S. Army Research Office (Durham) Project No. 1676 - New - Department of Mathematics).
Gross Value - \$5,568.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- p. Department of Health, Education and Welfare, Office of Education, Washington 25, D. C., for A Comparison Between Different Stimuli Combined with Two Methods for Providing Knowledge of Results in Music Instruction (to be known as Office of Education Project No. 1677 - New - School of Music).
Gross Value - \$87,286.00.
- q. National Science Foundation, Washington 25, D. C., for an Investigation of Spectra of Mira Variables (to be known as National Science Foundation Project No. 1678 - New - Department of Astronomy).
Gross Value - \$8,800.00.
- r. National Science Foundation, Washington 25, D. C., for an Investigation of General Acoustic Phonetics (to be known as National Science Foundation Project No. 1679 - New - Department of Slavic Languages and Literatures).
Gross Value - \$42,100.00.
- s. Headquarters, Air Proving Ground Center, AFSC, Eglin Air Force Base, Florida, for an Investigation of Psychological Effects of Non-Nuclear Weapons for Counterinsurgency (to be known as Air Proving Ground Center Project No. 1680 - New - Department of Psychology).
Gross Value - \$38,700.00.

TOTAL - Government Contracts - Federal \$584,518.00

2. Industrial and Other Contracts

- a. The Procter & Gamble Company, 6000 Center Hill Road, Cincinnati 24, Ohio, for an Investigation of Pathogenesis of Dental Caries (to be known as The Procter & Gamble Company Project No. 323 - Ext. #21 - College of Dentistry).
Gross Value - \$31,188.00.
- b. Ohio Tuberculosis & Health Association, 1575 Neil Avenue, Columbus 1, Ohio, for an Investigation of Autoimmunization in Experimental Tuberculosis (to be known as Ohio Tuberculosis & Health Association Project No. 764 - Ext. #6 - Department of Microbiology).
Gross Value - \$3,510.00.
- c. Holland-Rantos Company, Inc., 145 Hudson Street, New York 13, New York, for an Investigation of New Progestin Compounds (to be known as Holland-Rantos Co., Inc. Project No. 1239 - Ext. #2 - Department of Obstetrics and Gynecology).
Gross Value - \$30,171.00.

July 12, 1963 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Industrial and Other Contracts (continued)

- d. American Heart Association, Inc., 44 East 23rd Street, New York 10, New York, for an Investigation of Ventricular Function in Congestive Heart Failure (to be known as American Heart Association Project No. 1328 - Ext. #2 - Department of Medicine). Gross Value - \$6,435.00.
- e. Columbia Organic Chemicals Co., Inc., 912 Drake Street, Columbia 5, South Carolina, for an Investigation of Synthesis of Special Organic Chemicals (to be known as Columbia Organic Chemicals Co., Inc. Project No. 1485 - Ext. #1 - Department of Chemistry). Gross Value - \$800.00.
- f. The Rockefeller Foundation, 111 West 50th Street, New York 20, New York, for an Investigation of Control of Vascular Pathogens of Plants by Internal Nonpathogens (to be known as The Rockefeller Foundation Project No. 1662 - New - Department of Botany and Plant Pathology). Gross Value - \$10,000.00.
- g. The Petroleum Research Fund, American Chemical Society, 1155 - 16th Street, N. W., Washington 6, D. C., for an Investigation of Chemistry of Norbornane Derivatives (to be known as The Petroleum Research Fund Project No. 1670 - New - Department of Chemistry). Gross Value - \$22,300.00.

TOTAL - Industrial and Other Contracts \$104,404.00

The foregoing twenty-six contracts for research in cooperation with Government, Industry and Other represent a gross income of \$688,922.00.

Upon motion of Mr. Allyn, seconded by Mr. Loop, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were unanimously approved.

B. The Report of the Research Contracts
from the Engineering Experiment Station

During the period from June 1, 1963 through June 28, 1963, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record.

July 12, 1963 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

B. The Reports of the Research Contracts
from the Engineering Experiment Station

1. Government Research Contract

EES 191 A Study of the Effect of the Viscosity of Asphalt on the
Rheological Properties of Bituminous Mixes, Ohio
Department of Highways, Columbus, Ohio, Bureau of
Public Roads, Washington, D. C.
Gross Value - \$27,100.00.

2. Industrial Research Contract

EES 231 Basic Research on the Corrosion of Iron and Steel,
American Iron and Steel Institute, New York, New York.
Gross Value - \$20,000.00.

The foregoing two contracts for research in the Engineering Experiment
Station represent a gross income of \$47,100.00.

C. The Ohio State University and the State Department of Education
Division of Vocational Education and Division of Special Education

It is recommended that the agreements between The Ohio State University
and the State Department of Education, Division of Vocational Education and
Division of Special Education, be continued for the fiscal year 1963-64 and that
contracts for teacher training and special services in the following areas be
approved:

Vocational Home Economics
Vocational Agriculture
Trade and Industrial Education
Distributive Education
Business Education
Guidance Services
Teaching of Handicapped Children

It is recommended further that the President of the University and the
Secretary of the Board of Trustees be authorized to sign the agreements
on behalf of the University.

Upon motion of Mr. Davis, seconded by Mr. Allyn, the above recommendation
was unanimously approved by roll call vote.

D. Amendment to Agreement between West Virginia University
and The Ohio State University Relating to Enrollment of
Students in the College of Veterinary Medicine

On May 11, 1953 the Board of Trustees approved an Agreement between
West Virginia University and The Ohio State University whereby it was
agreed that the State of West Virginia would contribute to The Ohio State
University \$1,000.00 annually for each West Virginia student enrolled in
the College of Veterinary Medicine. As a result of the increasing costs

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

D. Amendment to Agreement between West Virginia University and The Ohio State University Relating to Enrollment of Students in the College of Veterinary Medicine (continued)

since the date of the said Agreement, it is now deemed necessary and desirable to increase the sum of money contributed by the State of West Virginia from \$1,000.00 to \$1,500.00 annually for each West Virginia student who accepts an appointment for admission to the College of Veterinary Medicine.

It is therefore recommended that the President be authorized to sign on behalf of The Ohio State University an Amendment to the said original Agreement providing for an increase as indicated above with the understanding that the increase shall become effective Autumn Quarter 1963. Each West Virginia student enrolled in Veterinary Medicine prior to the date of this Amendment to said Agreement shall be covered by the provisions of the original Agreement until his graduation. The Amendment authorizing the above stated increase has been approved by the Board of Governors of West Virginia University.

Upon motion of Mr. Bricker, seconded by Mr. Davis, the Amendment to the Agreement between West Virginia University and The Ohio State University relating to enrollment of students in the College of Veterinary Medicine was unanimously approved by roll call vote, and the President was authorized to sign said Amendment.

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IV. GRANTS AND GIFTS

The following grants and gifts to the University, including the establishment of a memorial fund, are hereby reported for the record and appropriate expression of appreciation has been conveyed:

A. Administered Through the Office of Business and Finance

1. \$75,000.00 granted by the National Science Foundation to the University for "Institutional Grants for Science, 1963." (Grant GU-398)
2. \$64,960.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Training Program in Occupational Health," under the direction of Dr. William F. Ashe, Department of Preventive Medicine, for the period July 1, 1963 through June 30, 1964. (Grant 1 T1 GM 1134-01 - T1 ES 32)
3. \$60,573.00 additional grant from the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "General Research Support," under the direction of Dr. Richard L. Meiling, Dean of the College of Medicine, for the period January 1, 1963 through December 31, 1963. (Grant 1 S01-FR-05109-01)

July 12, 1963 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

4. \$31,144.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Training Program in Microbiology and Immunology," under the direction of Dr. Jorgen M. Birkeland and Dr. E. H. Bohl, Department of Microbiology, for the period July 1, 1963 through June 30, 1964. (Grant 5 T1 GM-705-03)
5. \$29,235.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Training in Arthritis and Metabolic Diseases," under the direction of Dr. George J. Hamwi, Department of Medicine, for the period July 1, 1963 through June 30, 1964. (Grant T1 AM 5118-07)
6. \$21,529.00 granted by the U. S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Undergraduate Training in Psychiatric Nursing," under the direction of Mildred E. Newton, School of Nursing, for the period July 1, 1963 through June 30, 1964. (Grant 5 T2 MH-6375-07 - Formerly 2M-6375-C6)
7. \$3,675.00 additional grant from the National Science Foundation to the University for support of an "Academic Year Institute in Science and Mathematics for Secondary School and College Teachers of Science and Mathematics," under the direction of Dr. John S. Richardson, Department of Education. This grant terminates on or about September 30, 1964. (Grant GE-280-Amendment No. 1)
8. \$3,075.00 additional grant from the National Science Foundation to the University for support of an "Academic Year Institute in Science and Mathematics for Secondary School and College Teachers of Science and Mathematics," under the direction of Dr. John S. Richardson, Department of Education. This grant terminates on or about September 30, 1964. (Grant GE-280-Amendment No. 2)
9. \$791.00 additional grant from the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "General Research Support," under the direction of Dr. Walter R. Krill, College of Veterinary Medicine, for the period January 1, 1963 through December 31, 1963. (Grant 1 S01-FR-05264-01)

TOTAL - Through the Office of Business and Finance \$289,982.00

B. Received Through the Development Fund

1. \$13,400.00 from the Charles F. Kettering Foundation, Yellow Springs, Ohio--\$7,200.00 for fellowships in Agricultural Biochemistry and \$6,200.00 for fellowships in Botany.

July 12, 1963 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

2. \$10,000.00 from The Procter & Gamble Co., Cincinnati, Ohio, for research fellowships in Dentistry.
3. \$8,500.00 from The Bremer Foundation, Youngstown, Ohio, for research in Medicine.
4. \$1,528.00 from the family and friends of Jerald D. O'Koon, deceased, for the Jerald D. O'Koon Memorial Fund.

Jerald D. O'Koon Memorial Fund

The Jerald D. O'Koon Memorial Fund was established June 20, 1963 by gifts through the Development Fund from the family and friends of Jerald D. O'Koon, deceased.

The principal is to be invested according to rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The income is to be used at the direction of Dr. Charles Austin Doan for research in leukemia and cancer. Upon Dr. Doan's death or resignation from the staff of The Ohio State University College of Medicine, the income shall be used for the same purpose at the direction of the Dean of the College of Medicine. In case the need for such research shall cease or so diminish as to create unused income, Dr. Doan or the Dean of the College of Medicine, as the case may be, may direct its use for other medical research.

5. \$1,000.00 from the Guernsey County Cancer Society, Cambridge, Ohio, for cancer research in Dentistry.

TOTAL - Through the Development Fund \$34,428.00

C. Gift-in-Kind Received since the June 14, 1963 Meeting

The American Chemical Society desires to construct at its own cost and give to the University that portion of a private sanitary sewer line which will pass through University land. The sewer has been designed with sufficient capacity to serve the foreseeable future requirements of the University as well as those of the Chemical Abstracts Service in the area north of Lane Avenue, between Buckeye Village and the Olentangy River.

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the above report of grants and gifts, including the establishment of a memorial fund, was accepted by unanimous roll call vote, and the Secretary was instructed to include the report in the minutes of this meeting.

July 12, 1963 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

D. Report from The Ohio State University Development Fund

In June, 1963, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	920	\$ 47,199.78
Individuals, other than alumni	80	6,706.42
Non-profit organizations	25	29,571.95
Business concerns	25	49,372.71
	<u>1,050</u>	<u>\$132,850.86</u>

Of these gifts, 685 totaling \$3,988.99 were undesignated and 365 totaling \$128,861.87 were designated.

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V. APPROPRIATIONS AND TRANSFER OF FUNDS

- A. The President reported that, in accordance with the policy previously adopted by the Board, the following balances were closed by transfer to Account 19999, University Treasurer General Fund, in order to facilitate closing of the books on June 30, 1963.

Administrative expenses, costs of heat, light and power, and other overhead expenses on Research and Training Grants of the National Science Foundation, U. S. Department of Health, Education and Welfare, other Federal Agencies, and Corporation Gifts for general University purposes for fiscal year 1962-63.

National Science Foundation

41003	Oetjen & Bell - Physics	\$ 1,183.87
41004	Wickens - Psychology	67.06
41005	Daunt - Physics	3,153.47
41012	Shaw - Physics	2,252.24
41013	Gander - Agricultural Biochemistry	16.93
41015	Hartman - Physiology	(13.28)
41031	Richardson - Education	4,342.40
41033	Riley - Physics	222.61
41034	Parks - Pharmacy	208.75
41035	Smith - Electrical Engineering	228.11
41038	Richardson - Education	3,216.09
41039	Garrett - Chemistry	1,541.89
41040	Fisher - Mathematics	2,785.40
41041	Spieker - Geology	1,454.17
41042	Richardson - Education	2,600.00
41043	Deatherage - Agricultural Biochemistry	809.97
41044	Himes - Agronomy	305.28
41045	Parks - Pharmacy	1,487.07
41046	Yarrington - Engineering Administration	1,498.35
41047	Busch - Chemistry	345.87
41049	Riley - Physics	185.47
	Total National Science Foundation	<u>\$27,891.72</u>

July 12, 1963 meeting, Board of Trustees

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

A. (continued)

U. S. Department of Health, Education and Welfare

42004	NIH - Saslaw	\$ 1,691.40
42008	NIH - Johnson	(35.40)
42017	NIH - Wilson	3,683.59
42029	NIH - Deatherage	1,160.40
42032	Office of Education - Peters	19,406.00
42034	NIH - Hamwi	2,041.84
42037	NIH - Havener	1,374.80
42038	NIH - Meyer	522.71
42039	NIH - Scodel	1,180.26
42041	NIH - Orbison	808.25
42042	NIH - Von Haam	820.02
42043	NIH - Warren	2,670.93
42045	NIH - Weissler	437.72
42047	NIH - Johnson	1,489.25
42049	NIH - Birkeland	968.50
42051	NIH - Scarpelli	1,327.73
42052	NIH - Scodel	1,100.00
42056	NIH - Ogden	1,219.37
42057	NIH - Von Haam	375.36
42059	Vocational Rehabilitation Adm. - Black	673.82
42062	NIH - Newton	605.32
42063	NIH - Patterson	1,948.70
42064	NIH - Von Haam	1,591.05
42065	NIH - Wilson	367.68
42066	Vocational Rehabilitation Adm. - Burk	563.35
42070	NIH - Wharton	722.64
42071	NIH - Meiling	9,787.91
42075	Office of Education - Peters	4,210.00
42076	Office of Education - Allen	1,800.00
42078	NIH - Cava	.95
42108	NIH - Von Haam	60.77
	Total U. S. Department of Health, Education and Welfare	<u>\$64,574.92</u>

Other Federal Agencies

42003	ICA Service Charge - India	\$ 1,344.00
43005	ICA Education - India	14,909.74
43007	AEC - Richardson	978.26
43011	ICA Agriculture - India	18,544.10
43017	Veteran's Administration - 10 per cent	83.84
43020	Peace Corps	3,029.94
43021	AID - Educational Services, Inc. - Engineering	2,504.57
	Total Other Federal Agencies	<u>\$41,394.45</u>

July 12, 1963 meeting, Board of Trustees

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

A. (continued)

Miscellaneous

31036	A. P. Sloan	\$ 1,050.00
31037	Continental Casualty Company	12,689.75
	Total Miscellaneous	<u>\$ 13,739.75</u>
	Grand Total	<u>\$147,600.84</u>

Upon motion of Mr. Davis, seconded by Mr. Loop, the Board of Trustees by roll call vote unanimously approved the transfer of the above amounts to Account 19999, University Treasurer General Fund.

B. Ohio Journal of Science

Upon the request of the Joint Administrative Board of the Ohio Journal of Science and with the concurrence of the Vice President for Research, it is recommended that \$3,000.00 be appropriated from Account No. 12953 for the use of the Ohio Journal of Science for the period from July 1, 1963 through June 30, 1964.

Upon motion of Mr. Davis, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

C. Newcomers Reception

Upon the recommendation of Mr. Frederick Stecker, Executive Director, University Relations, whose office is assigned the responsibility for planning the annual Newcomers Reception, and with the concurrence of the President's Cabinet, it is recommended that an amount not to exceed \$1,200.00 be appropriated from the University Treasurer General Fund for the purpose of defraying the expenses of this function, which will be held on Thursday, October 10, 1963.

Upon motion of Mr. Bricker, seconded by Mr. Davis, the above recommendation for appropriation of funds was approved by unanimous roll call vote.

D. Appropriation from Unrestricted Portion of Mershon Fund to Scholarship Funds

Upon the recommendation of the University Scholarships and Loans Committee and with the concurrence of the Executive Dean, Student Relations, and the Vice President, Business and Finance, it is requested that the Board of Trustees authorize the appropriation of \$150,000.00 from the unrestricted portion of the Mershon Income to support University scholarships during the 1963-64 academic year. This recommendation is in accordance with the policy established by the Board of Trustees on February 7, 1958.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the appropriation of \$150,000.00 from the unrestricted portion of the Mershon Income for support of University scholarships during the 1963-64 academic year was unanimously approved by roll call vote.

July 12, 1963 meeting, Board of Trustees

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

E. Appropriation of \$10,000.00 to the
Citizens for Ohio's Bond Issue

It is recommended that an amount not to exceed \$10,000.00 be appropriated from the non-tax funds deposited in the University Treasurer General Fund Account No. 19999 to the Citizens for Ohio's Bond Issue, Mr. Harry Richter, Treasurer, for the purpose of assisting with the costs of interpreting the \$250 million bond issue which is to be submitted to the voters of Ohio in November.

Upon motion of Mr. Bricker, seconded by Mr. Davis, the above appropriation of funds was unanimously approved by roll call vote.

F. Conference on the Humanities

Upon the request of the Dean of the Graduate School and with the concurrence of the Vice President for Instruction and Dean of Faculties, it is recommended that an amount not to exceed \$2,500.00 be appropriated from the University Treasurer General Fund to Rotary 19606 for the Sixth Annual Conference on the Humanities to be held on the campus April 22 through 25, 1964.

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the above appropriation was unanimously approved by roll call vote.

G. The Ohio State University Press

Upon the request of the Dean of the Graduate School and the Editorial Board for the University Press, it is recommended that an amount not to exceed \$30,000.00 be allocated from the University Treasurer General Fund to Rotary 18865, The Ohio State University Press, for the fiscal year beginning July 1, 1963.

Upon motion of Mr. Bricker, seconded by Mr. Rairdon, the foregoing recommendation for appropriation of funds was approved by unanimous roll call vote.

H. Appropriations for the Development of Research Projects

At the request of the Vice President for Research, and with the concurrence of the Vice President for Business and Finance and the Cabinet, it is recommended that the following amounts be appropriated from the University Treasurer Research Subaccounts as designated for the projects named:

\$27,500.00 to provide funds for matching a grant in the amount of \$27,000.00 from the National Science Foundation for research equipment for the Department of Chemistry	Subaccount (f)
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July 12, 1963 meeting, Board of Trustees

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

H. Appropriations for the Development of Research Projects (continued)

\$10,000.00 to provide funds for the purchase of equipment for an experimental instructional program through the use of a one-way video, two-way audio system between the University campus and the Graduate Center at Wright Field. The U. S. Air Force will pay for the line charges for conducting this study at an estimated amount of \$2,500.00 per quarter

Subaccount (c)

Upon motion of Mr. Davis, seconded by Mr. Allyn, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

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VI. EXTRA ORDER TO CONTRACT

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra Order to Contract as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated.

A. Men's Housing #1 and #2 - Dining Facility (Royer Commons)

General Contract

It is recommended that the following changes be made:

1. Remove quarry tile flooring and setting bed where two "pass-thru" refrigerators were installed and reinstall tile at the edges and provide expansion joints around refrigerators. Add \$531.43.
2. Provide two chases in concrete block partition for hot gas lines from freezers and provide two 3" holes through the concrete. Add \$295.00.

Total extra cost \$826.43

Funds will be provided from Dormitory Construction Funds.

Upon motion of Mr. Davis, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

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VII. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of materials and estimates of cost for the following projects be approved by the Board of Trustees:

July 12, 1963 meeting, Board of Trustees

VII. PLANS AND SPECIFICATIONS (continued)

A. Runway Extensions, The Ohio State University Airport

This project provides for the extension of the East-West Runway to 5,000 feet in length, the completion of the North-West, South-East Runway and necessary taxiways.

Funds will be provided from the University Treasurer General Fund, Budget Account 31235 (Engineering Experiment Station) and a grant from the Federal Aviation Agency.

B. Student Housing - Building #12 (Drackett Tower)

This is a high-rise dormitory which will house 870 students.

Funds will be provided from Dormitory Construction Funds.

C. Rehabilitation of Rooms 402A, B, C and 403, 403A - Starling Loving Hall

This project provides necessary cooling and ventilation for the soundproof chambers in the Audiology Clinic.

Funds will be provided from the University Hospital Rotary.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter shall be reported to the Board of Trustees at a later meeting.

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VIII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contracts for the following projects have been recommended for award and the action is hereby reported to the Board:

A. Six Inch Gas Line to The Ohio State University Laundry

Bids were received on June 20, 1963 and the award of contract recommended to the lowest and best bidder as follows:

(3 bids received)	<u>Low Bid</u>	<u>Est. of Cost</u>
Huffman-Wolfe Company, Inc. (Cols.)	\$ 9,150.00	\$ 12,000.00

Funds for this project are provided from Budget Account 75010 (University Laundry).

July 12, 1963 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

B. Research Space - East Side of Stadium (Phase II)

Bids were received on June 12, 1963 and all bids were rejected except for the low bid on the General Contract. The other divisions were rebid and bids were received on June 28, 1963. The recommendation for award of contracts are as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (4 bids received)		
E. J. Will & Co. (Columbus)	\$ 41,557.00	\$ 54,240.00
<u>Heating, Ventilating and Air Conditioning Contract</u> (3 bids received)		
Limbach Company (Columbus)		
Base Bid	\$ 55,900.00	\$ 59,200.00
Alt. HV-2 Revision of Observation and Taping Area	260.00	500.00
Alt. HV-3 Chiller Installation	5,200.00	8,000.00
Total	<u>\$ 61,360.00</u>	<u>\$ 67,700.00</u>
<u>Plumbing Contract</u> (2 bids received)		
Bruner Corporation (Columbus)	<u>\$ 11,788.00</u>	<u>\$ 13,800.00</u>
<u>Electrical Contract</u> (3 bids received)		
Pence Electric Co. (Columbus)		
Base Bid	\$ 31,680.00	\$ 33,533.00
Alt. E-4 Lighting at 724'0" Level	475.00	500.00
Alt. E-5 Revision of Observation and Taping Areas	380.00	1,000.00
Total	<u>\$ 32,535.00</u>	<u>\$ 35,033.00</u>
TOTAL ALL CONTRACTS	<u>\$147,240.00</u>	<u>\$170,773.00</u>

Funds for this project will be provided from the University Treasurer Research Subaccount (f).

C. Repairs to Concrete Bridge Over Olentangy River

Bids were received on July 1, 1963 for this project and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(5 bids received)		
General Maintenance and Engineering Company (Columbus)	\$ 13,739.00	\$ 75,000.00

Funds will be provided from the maintenance appropriation in H.B. 711.

July 12, 1963 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

D. Exterior Painting of Eighteen Buildings

Bids were received on July 1, 1963 for this project and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(4 bids received)		
Harold F. Mollenauer (Columbus)		
Base Bid	\$ 40,876.00	\$ 46,120.00
Alt. A 152 West Woodruff Avenue	580.00	950.00
Total	\$ 41,456.00	\$ 47,070.00

Funds will be provided from the maintenance appropriation in H.B. 711 (\$36,131.00) and from the Dormitory Revenue Fund (\$5,325.00).

E. Repair and Pointing of Masonry in Thirteen Buildings

Bids were received on July 1, 1963 for this project and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(3 bids received)		
Charbetz Company (Columbus)	\$ 86,588.00	\$ 88,836.00

Funds will be provided from the maintenance appropriation in H.B. 711 (\$71,872.00) and from the Athletic Revenue Fund (\$14,716.00).

F. Repair Streets on Campus

Bids were received on July 1, 1963 for this project and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(3 bids received)		
Max J. Zeller, Inc. (Columbus)	\$ 36,648.00	\$ 40,000.00

Funds for this project will be provided from the maintenance appropriation in H.B. 711.

G. Repair and Resurface Sidewalks on Campus

Bids were received on July 1, 1963 for this project and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(3 bids received)		
The Floyd H. Baker Corp. (Columbus)	\$ 29,500.00	\$ 47,090.00

Funds for this project will be provided from the maintenance appropriation in H.B. 711.

July 12, 1963 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

H. Repairs to Roofs on Nine Buildings

(Originally presented as "Repairs to Roofs on Ten Buildings."
Since additional construction is contemplated on the Dentistry Building,
this building was removed from the specifications.)

Bids were received on July 1, 1963 for this project and the award of
contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(2 bids received)		
The George Snyder and Sons Company (Columbus)	\$ 31,600.00	\$ 39,810.00

Funds for this project will be provided from the maintenance appropriation
in H. B. 711 (\$22,138.00) and from the Dormitory Revenue Fund (\$9,462.00).

I. Repair and Replace Curbs on Campus

Bids were received on July 1, 1963 for this project and the award of
contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(2 bids received)		
American Terazzo and Cement Company (Columbus)	\$ 6,675.00	\$ 6,000.00

Funds for this project will be provided from the maintenance appropriation
in H. B. 711.

J. Interior Painting and Patch Plastering of Six Buildings

Bids were received on July 1, 1963 for this project and the award of
contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(4 bids received)		
Harold F. Mollenauer Co. (Columbus)	\$ 85,870.00	\$102,200.00

Funds for this project will be provided from the maintenance appropriation
in H. B. 711.

Upon motion of Mr. Bairdon, seconded by Mr. Loop, the above award of
contracts and expenditure of funds were approved and the action of the Vice
President, Business and Finance, ratified by unanimous roll call vote.

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July 12, 1963 meeting, Board of Trustees

IX. CONTROLLING BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

- 93 Approves the expenditure of \$9,000.00 to provide for the purchase of property located at 205 West Frambes Avenue from Account 750 Land Purchases, H.B. 1123.
- 96 Approves the award of contracts for the Heating and Ventilating work in the amount of \$186,540.00 and for the Plumbing work in the amount of \$90,640.00 notwithstanding the fact that these low bids are over the estimate of cost for the project, "Housing for Metallurgical and Mineralogy Laboratories."
- 97 Approves the transfer of \$424,859.36 from Rotary 601 to "Housing Metallurgical Laboratories," H.B. 1123, to provide funds for this project.
- 1 Approves the expenditure of \$9,370.96 for contract and miscellaneous expenses on the project "Six Inch Gas Line to the University Laundry" from Account 804, H.B. 711.

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X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Electrical Engineering Research Facilities (Caldwell Laboratory)

It is recommended that Tully & Hobbs, Architects, Columbus, Ohio, be employed to provide complete architectural and engineering services for this project, including preliminary plans, basic drawings, working drawings, specifications, estimate of cost, necessary bidding documents, and complete supervision of construction for the above project.

The fee for this service will be calculated on a percentage basis of 6 per cent of the contract cost or an estimated fee of \$19,626.00.

Funds will be provided from the University Treasurer Research Subaccount (e), a grant from the National Science Foundation and from the Engineering Experiment Station.

Upon motion of Mr. Allyn, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

B. University Hospital Renovations (7 Areas)

It is recommended that Louis F. Karlsberger & Associates, Architects, Columbus, Ohio, be employed to provide a feasibility study with preliminary drawings and estimate of cost for this project and contingent on acceptance and approval of the feasibility study, to provide complete architectural and engineering services including revised preliminary plans, basic drawings, working drawings, specifications, estimate of cost, necessary bidding documents and complete supervision of construction.

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

B. University Hospital Renovations (7 Areas) (continued)

The fee for the feasibility study will apply to the complete service if it is approved and will be \$1,800.00. The fee for the complete service will be 8 per cent of the contract cost or an estimated \$15,036.32.

Funds will be provided for this purpose from the University Hospital Rotary.

Upon motion of Mr. Davis, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

C. Olentangy River Improvement

It is recommended that Professional Engineers, approved by the Director of Public Works, State of Ohio, be employed to provide all surveying, drawings and services with the exception of daily on-the-job inspection for this project.

The fee for this service will be at a cost of not more than \$15,000.00.

It is further recommended that a sum not to exceed \$15,000.00 be appropriated from the University Treasurer General Fund to provide funds for these engineering services.

Upon motion of Mr. Rairdon, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

D. Janitorial Operations Study

It is recommended that E. Ralph Sims, Jr. and Associates, Lancaster, Ohio, be employed to survey and report on the janitorial operations on campus. This survey would include a review and evaluation of the organizational structure, management and administrative practices and staffing of the Janitorial Department; a study of the janitorial work load factors; preparation of a preliminary evaluation of the Janitorial Department's organization, management, work pattern, methods, state of the art and effectiveness; and preparation of recommendations concerning a general janitorial improvement program and the specific steps required to implement it.

It is further recommended that an amount not to exceed \$9,000.00 be appropriated from the University Treasurer General Fund to provide for this service.

Upon motion of Mr. Loop, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

E. Withdrawal from Dividend Reserve on Group Life Insurance

It is recommended that Vice President Carson be authorized to make application to John Hancock Mutual Life Insurance Company for the withdrawal of \$70,000.00 from the dividend reserve account on Group Life Insurance Policy No. 1305-G in order to make expenditures for supplemental

July 12, 1963 meeting, Board of Trustees

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

E. Withdrawal from Dividend Reserve on Group Life Insurance (continued)

retirement benefits to our emeriti in accordance with Board action of July 10, 1959; for major medical coverage for emeriti in accordance with Board action of April 10, 1959; and death benefits as approved by action of the Board of Trustees on July 11, 1955.

Upon motion of Mr. Rairdon, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

F. University North Urban Renewal Project - Land Disposition Agreement

On October 10, 1960 the Board of Trustees approved a preliminary development plan for incorporation in an application for Federal assistance in an Urban Renewal Project north of the campus. This development plan was refined by Board action on April 14, 1961 and again on May 18, 1962. On April 25, 1963 the Controlling Board of the State of Ohio released \$530,000.00 for the purchase of land within the Urban Renewal Project from the City of Columbus for residence hall construction sites.

In order to comply with certain Federal regulations, it is necessary for the City of Columbus to obtain and submit a Land Disposition Agreement in which the University agrees to purchase and develop the land. Availability of this land will expedite the University's dormitory construction program.

It is, therefore, recommended that the Secretary of the Board of Trustees request the Director of Public Works of the State of Ohio, pursuant to his statutory duties, to act in the interest of the University by executing an acceptable Land Disposition Agreement with the City of Columbus.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

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XI. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the death of George Melville Bolling, Professor Emeritus of Classical Languages; Arthur Cleveland Lytle, Jr., Assistant Professor of Pharmacy; Homer C. Sampson, Professor Emeritus of Botany; and Walter Crothers Weidler, Dean Emeritus of the College of Commerce and Administration and Professor Emeritus of Business Organization; and, in accordance with the instructions of the Board of Trustees, copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board have been furnished the families of the deceased.

A. George Melville Bolling

The Board of Trustees expresses its sorrow at the death on June 1, 1963 of George Melville Bolling, Professor Emeritus of Classical Languages.

XI. RESOLUTIONS IN MEMORIAM (continued)

A. George Melville Bolling (continued)

George Melville Bolling was born in Baltimore, Maryland, on April 13, 1871. He received the A.B. degree from Loyola College (Maryland) in 1891 and the Ph.D. degree from Johns Hopkins University in 1896. He was Professor of Greek and Associate Professor of Sanskrit at Catholic University, 1895-1913; a Johnston Scholar at Johns Hopkins University, 1913-14; Professor of Greek Language and Literature at The Ohio State University, 1914-1940. He was made Professor Emeritus at the time of his retirement in 1940.

Dr. Bolling was a Greek scholar, and he discovered that behind the Greek Epic lay Sanskrit. His devoted study made him one of the two or three outstanding Sanskrit scholars of this country. This distinction in turn led him to the developing study of the science of language, linguistics as it was then known. He became not merely an authority, but the editor of the journal Language.

Professor Bolling published a number of very valuable books. He was the author of numerous articles throughout his career, and they did not cease for years after his retirement.

He was absolutely uncompromising as a scholar and a person with regard to what he felt and knew to be right. To his friends he was as devoted, as loyal, and as helpful as any man could be and that is the memory that he has left behind him.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

B. Arthur Cleveland Lytle, Jr.

The Board of Trustees expresses its sorrow at the death on June 21, 1963 of Arthur Cleveland Lytle, Jr., Assistant Professor of Pharmacy.

Dr. Lytle was born in Fort Mill, South Carolina, on May 18, 1928. He received his B.S. in Pharmacy from the University of South Carolina in 1952 and served as an Instructor in Pharmacy at that institution for two years prior to beginning graduate work at The Ohio State University in 1954. In 1955 he joined the staff at Ohio State as Assistant Instructor, an appointment which he held for three years. He was granted a teaching fellowship from the American Foundation for Pharmaceutical Education during the academic years 1956-57 and 1957-58. He received his Ph.D. degree from The Ohio State University in September, 1958 and was promoted to Assistant Professor. He then assumed direction of the undergraduate program and, subsequently, the graduate program in pharmacy administration.

Dr. Lytle will be remembered for his unfailing efforts to broaden and deepen the concept of pharmacy as a vigorous and important member of the health professions. He made outstanding contributions in such fields as the development and promotion of professional services, the role of the community

XI. RESOLUTIONS IN MEMORIAM (continued)

B. Arthur Cleveland Lytle, Jr. (continued)

pharmacy as a health center, prescription inventory control, and professional fee concepts in hospital and community pharmacy. Professor Lytle was particularly active in encouraging continuing education for the practicing pharmacist through local professional associations and during 1962 supervised two undergraduate research projects in this area which won Lunsford-Richardson prizes. He inaugurated a leadership training program whereby students were prepared during their pre-pharmacy and pharmacy education years for posts of responsibility in student, local, state, and national pharmaceutical organizations.

His sincerity, contagious enthusiasm, generous aid, and passionate convictions were an inspiration to all who knew him. His passing is a great loss to the pharmaceutical profession.

He was a member of the Committee on Student Chapters of the American Pharmaceutical Association, a member of Rho Chi, Kappa Psi, the Central Ohio Academy of Pharmacy, the Ohio State Pharmaceutical Association, the Central Ohio Chapter of the American Marketing Association, the Conference of Teachers of Pharmacy Administration of the American Association of Colleges of Pharmacy, and the American Pharmaceutical Association.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

C. Homer C. Sampson

The Board of Trustees expresses its sorrow at the death on July 2, 1963 of Homer C. Sampson, Professor Emeritus of Botany.

Dr. Sampson was born in Wheeler, Illinois, on January 21, 1885. He received the B.S. degree from the University of Chicago in 1914 and the Ph.D. degree from the same institution in 1917. His entire professional career was devoted to the service of The Ohio State University. He first came to this University as an instructor in 1917, was promoted to assistant professor in 1919, and to professor in 1922. He retired with the rank of professor emeritus in 1955.

Dr. Sampson was a man of broad interests in the general field of botanical science. He was an original thinker in both the educational and scientific aspects of his discipline and a firm protagonist of the points of view which he adopted. Although his contributions to science were not negligible, especially at the theoretical level, he was even more of an educator than a scientist. He was a dedicated and effective classroom teacher and sparked the spirit of inquiry in the minds of many students. For most of his career at Ohio State, he was in charge of the general botany courses, which under his direction and inspiration became models for similar courses in other institutions. His contributions to educational theory and practice have had a wide influence on the teaching not only of botany but also of other sciences in both this and other universities.

XI. RESOLUTIONS IN MEMORIAM (continued)

C. Homer C. Sampson (continued)

Dr. Sampson was the author or co-author of several books and also of a number of journal articles, especially in the fields of plant ecology, plant physiology, and botanical education. Forest ecology was one of his research interests, and for many years he served as a collaborator for the Central States Forest Experiment Station.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

D. Walter Crothers Weidler

The Board of Trustees expresses its sorrow at the death on July 6, 1963 of Walter Crothers Weidler, Dean Emeritus of the College of Commerce and Administration and Professor Emeritus of Business Organization.

Dean Weidler was born in Columbus, Ohio, on September 26, 1888. He received two degrees from The Ohio State University, the B.A. in 1913 and the M.A. in 1915. He was awarded an honorary degree, Doctor of Laws, by Bowling Green State University in 1944.

Dean Weidler's academic career began with a teaching fellowship in economics at The Ohio State University for the years 1913 to 1916. During 1916-17 he was an Austin Scholar in Economics at Harvard University. Following a two-year return to Ohio State, he served on the faculty of Tulane University as professor of merchandising in 1919-20. In 1920 he was made professor of insurance and foreign trade at Ohio State and continued his teaching responsibilities as professor of business organization in 1922 and of marketing in 1927.

His administrative duties included an assignment as acting secretary during 1918-19 and as acting dean during 1927-29, following which he assumed full administrative responsibility for the College when he was made dean in 1929. His 30-year leadership of the College from 1929 until 1959 spanned a period of phenomenal growth both in student population and eminent reputation of the College. He was given the University's Distinguished Service Award by the Board of Trustees in June 1958 in recognition of his significant contributions to the emergence of the College as one of the country's foremost collegiate schools of business.

Dean Weidler's retirement at age 70 on July 1, 1959 marked the close of a career devoted to creating a faculty of scholarly leaders in collegiate business education and to developing the College's services in adult and continuing education. In addition, his interest in and commitment to the development of research in all fields of business endeavor is evidenced by the enviable position occupied by the University's Bureau of Business Research. Through the years he assumed leadership responsibilities in national professional organizations by serving as vice president of the American Council on Education (1939), as director of the American Marketing Association (1936), and as president of the American Association of Collegiate Schools of Business (1937).

July 12, 1963 meeting, Board of Trustees

XI. RESOLUTIONS IN MEMORIAM (continued)

D. Walter Crothers Weidler (continued)

Dean Weidler was a member of Beta Gamma Sigma and Alpha Kappa Psi. He was co-author with several of his colleagues of texts in business management and marketing and contributed frequently to professional journals in business administration and economics.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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XII. REPORTS

A. Report Concerning the Perkins and Radio Observatories

President Fawcett reported on the meeting of the Joint Administrative Committee of The Ohio State and Ohio Wesleyan Universities for the Perkins and Radio Observatories which was held on July 9, 1963. In summary, he stated:

The radio telescope at the Delaware, Ohio, location is now completed and in operation under the supervision of Professor John Kraus, Department of Electrical Engineering. This telescope is one of the six largest in operation in the world. Dr. Arne Slettebak, Chairman of the newly created Department of Astronomy, is responsible for the supervision of the activities of the Perkins Observatory. The 32-inch reflecting telescope and the 16-inch Schmidt telescope which were given to Perkins Observatory by the Schottland family are now in operation. These telescopes replace the 69-inch telescope which was moved to Lowell Observatory at Flagstaff, Arizona. The research faculty of Ohio State and Ohio Wesleyan report that the move of the large 69-inch telescope to the Flagstaff, Arizona, site has enhanced significantly the effectiveness of the research program in astronomy of the two universities. Plans are being developed to hold a dedicatory service for the two new installations at the Perkins and Radio Observatories sometime during the next academic year. The President reported further that The Ohio State University is an active participant in the Association of Universities for Research in Astronomy (AURA).

B. Study of Fees and Enrollment in the College of Law

In accordance with the request made by the Board at its last regular meeting, President Fawcett reported as follows on student fees and enrollment in the College of Law:

With the assistance of Associate Dean Robert Nordstrom, a study of law college fees for selected state universities was completed. The study revealed that:

XII. REPORTS (continued)

B. Study of Fees and Enrollment in the College of Law (continued)

- (1) The University of California has the lowest resident fee--\$196.50 and the non-resident fee is \$796.50. The lowest non-resident fee for those institutions included in the study is at the University of Kentucky--\$540.00.
- (2) The University of Michigan has the highest resident fee--\$480.00 and also the highest non-resident fee--\$1,100.00.
- (3) Ohio State's resident fee is \$459.00 and the non-resident fee \$954.00. Ohio State ranks next to Michigan in level of fees assessed law students.
- (4) All of the schools with two or three minor exceptions reported that they do not have a policy of waiving non-resident fees.

The President further reported as follows on the status of present and future enrollment in Ohio State's College of Law:

The Law Building was planned for an enrollment of 700 students. At the present time there are just under 400 students enrolled. By 1965 the enrollment is anticipated to be approximately 468 and by 1971 as high as 687 according to projected enrollment figures. Therefore by 1971 with an enrollment of 687 it is expected that we should have reached the capacity of the present building in just seven years from now. It should be pointed out that while there is classroom space for 700 students, more faculty offices, additional library space, and equipment will be required for this number of students. When the Law Building was constructed, a wing of seven offices and an extension of the library reading room on the fourth level balcony was delayed because of a lack of funds. At the present time the College of Law classrooms are being used by other divisions of the University when they are available.

In conclusion, President Fawcett expressed the opinion that the University's policies for assessing fees to non-resident students and the admission of students to the College of Law should not be changed at the present time.

C. Report on Student Fees at Selected Private and Public Colleges in Ohio and the Nation

President Fawcett invited Executive Dean Ronald Thompson to report the level of student fees assessed at selected institutions of higher learning as requested by the Board at its last regular meeting. Dr. Thompson distributed copies of his report which was divided into three sections as follows: fees for Big Ten Universities, fees for Ohio colleges and universities and fees for selected large private and state universities. The Chairman requested that a copy of the report be filed with the official records held by the Secretary.

July 12, 1963 meeting, Board of Trustees

XII. REPORTS (continued)

D. Report on the University's Investment Portfolio

The regular monthly report of the University's Investment Portfolio dated June 30, 1963 was received, and the Secretary was instructed to file a copy of the report with the official records of the Board of Trustees. The report included the approval by the Board of Trustees for an investment not to exceed \$150,000.00 for the expansion of the property located at 930 Kinnear Road with the provision that assurance be given for complete recovery of the funds invested by the present tenant, Cryovac, Inc.

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Thereupon the Board adjourned to meet Friday, September 13, 1963, at the Ohio Agricultural Experiment Station, Wooster, Ohio.

Attest:

John T. Mount
Secretary

Thomas F. Patton
Chairman

APPENDIX I

Degrees Conferred at

THE OHIO STATE UNIVERSITY COMMENCEMENT

August 23, 1963

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RECIPIENTS OF HONORS

KARL TERZAGHI DOCTOR OF SCIENCE

Eminent engineer, outstanding researcher, prolific contributor to the advancement of knowledge in engineering and geology, inspiring teacher whose name has become synonymous with the novel discipline he has created

Karl Terzaghi, Professor Emeritus of the practice of Civil Engineering at Harvard University, is universally acknowledged as the world's leading authority on foundation engineering and soil mechanics, a discipline with which his name will always be associated as its originator and to date its most prominent contributor. As such he has been called upon many times to render opinions and propose remedies associated with major problems of foundation behavior and failures in all parts of the world. Dr. Terzaghi, a graduate of the Technische Hochschule in Graz, Austria, with a degree in mechanical engineering, developed an early interest in geology and in engineering construction. Perceiving wide discrepancies between prediction and observed behavior, he sought to reconcile the two. Following an appointment to a position at the Imperial School of Engineers at Istanbul he commenced experimental investigations through which he succeeded in casting light upon many of the difficulties which had previously seemed insurmountable.

At his subsequent positions at Robert College in Istanbul, at Massachusetts Institute of Technology, at the Technical University in Vienna and, at Harvard University he has continued to explore and promote research into the problems associated with the behavior of earth in conjunction with engineering structures. His efforts stimulated a revolution in the concepts and methods of design and construction associated with foundations and earthwork.

Karl Terzaghi is a prolific writer who has been able, through an extraordinary perception and gift of precise statement and logical organization coupled with a sound scientific background, to cast new light on many obscure phenomena. So outstanding are his writings that they have received many honors. He is the author of several books and of scores of technical papers of great originality. It is probable that no other civil engineer has been so widely known and respected throughout the world.

THOMAS ALVIN BOYD

THE OHIO STATE UNIVERSITY DISTINGUISHED SERVICE AWARD

*Noted research engineer and consultant to General Motors Research
Laboratories, alumni leader, and counselor to students*

Thomas Alvin Boyd, addressing classes of senior engineering students as he often does, speaks with authority when he tells them that with the proper perspective and hard work, theirs is the golden age of opportunity unlimited. He is well acquainted with hard work and the success which it may bring.

Mr. Boyd grew up on a farm in an area where there were no high schools; only with some persistence was he able to complete his secondary education. An abiding interest in things scientific led him to The Ohio State University. He was nearly thirty years old when he received the bachelor of chemical engineering degree.

It was in the laboratories of the late Charles F. Kettering that he began his climb to true engineering greatness. Collaborating in the development of anti-knock gasolines, he became a pioneer in research on fuel composition. He headed the fuel department of General Motors Research Laboratories for twenty-four years. After long service as chairman of the petroleum products committee of the American Society for Testing Materials, he became the Society's president in 1947. He maintains his strong interest in higher education and sponsors a lectureship which brings distinguished speakers to the campus. He has served as a member-director of the University's Research Foundation continuously since 1939.

HAROLD ERNEST BURTT

THE OHIO STATE UNIVERSITY DISTINGUISHED SERVICE AWARD

*Outstanding authority in psychology, devoted faculty member,
sensitive and efficient department chairman*

Harold Ernest Burtt gave forty-one years of his active and productive career to this University, its students, and its faculty. As a teacher, the best measure of his work has been the eminence which his students have achieved. Among the host of master's degree and doctoral candidates whom he counseled, many have gained national prominence as professors, chairmen, and deans at leading universities. Others have assumed positions of leadership in the government, the armed services, and in this country's industries. As an administrator, he held the chairmanship of the Department of Psychology for twenty-two years, a period in which this department enjoyed wide recognition for its outstanding program.

Professor Burtt has advanced his profession in many ways. He contributed to pioneer work on aptitude tests for employment. In addition to numerous writings for scholarly journals, he is the author of respected textbooks in applied, legal, and personnel psychology. He participated actively in the American Association for the Advancement of Science and in the American Psychological Association, serving the latter as member of its Advisory Council and as a leader in its Industrial Division. His services as a psychologist were sought in both World Wars.

As his teaching and professional careers have merited the acclaim of his students, his wide-ranging interests and participation in faculty undertakings have earned the affection of his colleagues on this campus.

DAN HARRISON EIKENBERRY
THE OHIO STATE UNIVERSITY DISTINGUISHED SERVICE AWARD
*Nationally recognized leader in the field of education,
able and effective administrator*

Dan Harrison Eikenberry has been responsible for the improvement of educational programs in many parts of this nation. His great energy and his deep concern for high standards, for thoroughness, for accuracy, and for the development and use of basic criteria in attacking problems of education have been balanced by his wisdom in human relations. These qualities, expressed through his professional contacts with thousands of teachers and educational administrators, have made his influence widely felt.

He has given much of his time and energy to extensive service beyond his classroom teaching. He has counseled several state departments of education. He was a member of the Commission on Secondary Schools of the North Central Association of Colleges and Secondary Schools and chairman of the Ohio State Committee of that important accrediting association. He led a survey of Chicago high schools and was chairman of the Ohio Committee on Co-operative Secondary School Standards. He headed the Department of Education at this University from 1942 to 1948, a period of rapid development.

For many years Professor Eikenberry has been a national leader in exploring the needs and possibilities for education beyond the high school. Reports of his studies and those of his students on this subject are now used throughout the country by educators in creating post-high school programs to care for the nation's expanding educational needs.

FORREST GUY KETNER

THE OHIO STATE UNIVERSITY DISTINGUISHED SERVICE AWARD

*Nationally recognized leader in the field of livestock management
and dedicated trustee of The Ohio State University*

Forrest Guy Ketner never settled for the status quo. Throughout his long career as an agricultural leader of national stature and his fourteen years of devoted service as a trustee of The Ohio State University, improvement was his watchword. The results he achieved and the contributions he made have earned for him a place among the eminent citizens of Ohio.

As a trustee, and twice chairman of the Board, he contributed a depth of experience and a fundamental sensitivity which made him a constructive participant in the policy development of this institution. He supported an aggressive program for the advancement of the total University and lent special leadership to the research and instructional efforts of the College of Agriculture and Home Economics and the Ohio Agricultural Experiment Station. The University's Swine Evaluation Station, in which he demonstrated a strong personal interest, has become a model which other states have followed. He is a past president of the Association of Governing Boards of State Universities and Allied Institutions, in which organization he effectively served higher education of the state and nation for twelve years. Many more examples might be cited to document the fact that the students, faculty, and staff in all the disciplines encompassed by this University have been benefited greatly by the work of Forrest G. Ketner.

SAMUEL RENSHAW
THE OHIO STATE UNIVERSITY DISTINGUISHED SERVICE AWARD
*Contributor to man's knowledge of visual perception,
professor emeritus of experimental psychology*

Samuel Renshaw combines a rare degree the qualities of the expert teacher with those of the dedicated scientist. During his thirty-seven years as an active member of the University faculty, he transmitted to his students the excitement of bold but painstaking inquiry into the problems of experimental psychology. Although he earned widespread acclaim for his research accomplishments in visual perception, he sacrificed none of the devotion of the master teacher. These qualities were given recognition when he was chosen in 1962 to receive one of the Alumni Awards for Distinguished Teaching.

In 1942 Professor Renshaw's experimental work led to establishment of a Navy Recognition School on the campus. The training of servicemen in that school in the quick identification of approaching ships and aircraft was credited with the saving of many lives in World War II. For this contribution he holds the Navy's highest civilian honor, the Distinguished Public Service Award. Another application of his work has been the improvement of reading skills of students. His talents have led also to the design and development of a variety of scientific instruments and equipment.

Long a leader in professional affairs in his field, he was a founder and first secretary-treasurer of the Midwestern Psychological Association and initiated the annual Invitation Research Conference in Vision, which later was named in his honor.

GRADUATE SCHOOL

Dean: EVERETT WALTERS

Doctor of Philosophy

Joseph G. Agnello, B.S., M.A. (Western Michigan University) Detroit, Mich.
Dissertation: A Study of Intra- and Inter-phrasal Pauses and Their Relationship to the Rate of Speech
Field of Specialization: Speech

Paul Howard Aldenderfer, B.S. (Mount Union College); M.Sc.... Columbus
Dissertation: Histopathology of an Autoimmune Disease in Rabbits Injected with Ribosomes and Antiribosome Serum
Field of Specialization: Microbiology

Mangalath Philip Alexander, B.Sc. (University of Delhi) Coimbatore, India
Dissertation: Investigations on the Microgametophyte Lethal-simulating x Locus in Lycopersicon esculentum Mill. and L. pimpinellifolium Mill.
Field of Specialization: Botany and Plant Pathology

George Lee Almond, B.Sc. in Bus. Adm., M.A..... Cincinnati
Dissertation: Developments in Warehousing with Emphasis upon Advances since World War II
Field of Specialization: Business Organization

Malthon Milton Anapol, B.S. in Ed. (Rutgers University); A.M. (Temple University)..... Haddonfield, N. J.
Dissertation: A Study of Minority Group Communication Behavior
Field of Specialization: Speech

Phyllis Margaret Arscott, B.Sc. in Edu., M.A..... Columbus
Dissertation: The Blood Flow to Bone Marrow and Other Organs Following Varying Periods of Intermittent Hypoxia in the Rat
Field of Specialization: Physiology

James Louis Barth, A.B. (Denison University); B.Sc. in Edu., M.A. Brecksville
Dissertation: Great Issues: Bases for Organizing Social Studies
Field of Specialization: Education

Christopher Ernest Barthel III, B.S. in Bus. Admin. (Northwestern University); M.A..... Alexandria, Va.
Dissertation: The Effects of the Approval Motive, Generalized Expectancy, and Situational Cues upon Goal-Setting and Social Defensiveness
Field of Specialization: Psychology

Jack Behar, A.B. (Western Reserve University); M.A. (Columbia University) Reno, Nev.
Dissertation: James Agee: The World of His Work
Field of Specialization: English

Johanna Eleonore Behrendt, B.S. (Columbia University); M.A. Boston, Mass.
Dissertation: Die Einheit von Elisabeth Langgässers Weltbild in der Märkischen Argonautenfahrt
Field of Specialization: German

William Carl Berman, B.A. M.A..... Youngstown
Dissertation: The Politics of Civil Rights in the Truman Administration
Field of Specialization: History

- Robert Ben Boley, B.S. (Sam Houston State Teachers College) ; M.S.
(Agricultural and Mechanical College of Texas) Conroe, Tex.
*Dissertation: Sulfur Oxidation by a Thiobacillus Species Isolated from
Acid Mine Water*
Field of Specialization: Microbiology
- David Gilbert Born, B.S., B.B.A., B.A., M.A. (Western Michigan
University) Kalamazoo, Mich.
*Dissertation: Discrimination Learning as a Function of the Number of
Relevant Cues and Subsequent Utilization of Those Cues
in a Complex Environment*
Field of Specialization: Psychology
- Samuel Stransham Brodbelt, B.A., M.Edu. Columbus
*Dissertation: Existing Patterns and Projected Trends in Social Studies
Teacher-Education as Seen by Professors Engaged in
This Field*
Field of Specialization: Education
- Lester Benjamin Brown, B.S. (Southern University) ; M.Ed.
(Louisiana State University) Houma, La.
*Dissertation: Motivation Practices in University General Education
Chemistry Courses*
Field of Specialization: Education
- Robert Buckhout, B.S. (Queens College) ; M.S. (North Carolina
State College of Agriculture and Engineering)
Springfield Gardens, N. Y.
Dissertation: Verbal Reinforcement and Verbal Behavior
Field of Specialization: Psychology
- Robert Barker Burrows, B.A. (College of Puget Sound) ; M.A.
(University of Washington) Morgantown, W. Va.
*Dissertation: The Use of Radio, Television, and Other Communication
Media by Children in Monongalia and Preston Counties,
West Virginia*
Field of Specialization: Speech
- Parker Emerson Calkin, B.S. (Tufts College) ; M.Sc. (University of
British Columbia) Atlanta, Ga.
*Dissertation: Geomorphology and Glacial Geology of the Victoria
Valley System, Southern Victoria Land, Antarctica*
Field of Specialization: Geology
- William Nelson Cannon, Jr., B.S., M.S. (University of Delaware)
Wilmington, Del.
*Dissertation: Survival of European Corn Borer Larvae, Ostrinia nubi-
lalis (Hubn.), on a Susceptible and a Resistant Corn
Hybrid Supplied with Different Amounts of Phosphorus*
Field of Specialization: Entomology
- Marvin Clarence Carbonneau, B.S., M.S. (University of Illinois)
Chicago, Ill.
*Dissertation: An Anatomical Study of the Effect of Light Duration and
Quality on the Initiation and Early Development of the
Capitulum in Chrysanthemum morifolium Variety Jewell*
Field of Specialization: Horticulture
- James Harry Carlson, B.S. (Fenn College) ; M.Sc. Cleveland
*Dissertation: Genetic and Environmental Sources of Variability with
Reference to a Mutant Venation Phenotype in Drosophila
melanogaster*
Field of Specialization: Zoology

- Robert Francis Carpenter, B.S. in Physics (Union College); M.Sc.
Schenectady, N. Y.
Dissertation: A Computation of the Force Constants of Thiophene
Field of Specialization: Physics
- Chungsoo J Cho, B.Sc., M.A. Seoul, Korea
*Dissertation: Quantitative Analyses of Factors Involved in Sensori-
motor Performances*
Field of Specialization: Psychology
- Jaswant Singh Chohan, B.Sc. (Agr.) (University of the Panjab);
M.Sc. (Agr.) (Panjab University) Ludhiana, Punjab, India
*Dissertation: Development, Inhibition, and Variability of Tobacco Ring-
spot Virus-Soybean Bud-blight Strain*
Field of Specialization: Botany and Plant Pathology
- Frank Winslow Chorpennning, A.B. (Marietta College); M.Sc. Marietta
*Dissertation: Chemical and Antigenic Properties of an Erythrocyte
Modifying Factor Isolated from Species of the Genus
Bacillus*
Field of Specialization: Microbiology
- Jack Adam Collins, B.M.E., M.Sc. Plain City
*Dissertation: A Study of the Phenomenon of Fretting-Fatigue with
Emphasis on Stress-field Effects*
Field of Specialization: Mechanical Engineering
- Alan Peery Cottrell, B.Sc. in Edu.; M.A. (University of Wisconsin)
Worthington
Dissertation: Wilhelm Müllers Lyrische Liederzyklen
Field of Specialization: German
- Thomas Jacob Craft, B.S.Edu. (Central State College); M.A. (Kent State
University) Wilberforce
*Dissertation: Some Effects of X-Irradiation on the Utilization of
C¹⁴-Labelled L-Tyrosine and Melanin Production in Rana
pipiens Tadpoles*
Field of Specialization: Zoology
- Raymond Charles Dethy, B.Sc. in Edu., M.A. Columbus
*Dissertation: Relationships between Educational Program Character-
istics and Expenditure Level, Size, and Kind of School
Districts in Ohio*
Field of Specialization: Education
- John Armand Eberwein, B.S., M.S. (University of Vermont)
Pittsfield, Mass.
*Dissertation: The Chemistry of Substituted 4-Methyl-4-trichloromethyl-
2,5-cyclohexadienones*
Field of Specialization: Chemistry
- Jay Steven Efran, B.A., M.S. in Edu. (City College, New York)
New York, N. Y.
*Dissertation: Some Personality Determinants of Memory for Success
and Failure*
Field of Specialization: Psychology
- Esmat Tewfik El-Ashwah, B.Sc., M.Sc. (Cairo University) Cairo, Egypt
*Dissertation: Effect of Detergents on the Growth and Thermal Resist-
ance of Bacillus thermoacidurans*
Field of Specialization: Horticulture
- El Saied El Ahmady El Shishtawy, B.Sc. (Cairo Universtiy); M.Sc.
Tanta, Egypt
*Dissertation: Statistical Analysis of the Interrelationships of Major
Factors Reported by 51 Ohio Agricultural Cooperative
Managers*
Field of Specialization: Agricultural Economics and Rural Sociology

- James Russell Ewers, B.A. (College of Wooster) ; M.Ed. (Ohio University) Bellville
Dissertation: Proficiency Examinations in Physical Education for Men at The Ohio State University
Field of Specialization: Physical Education
- Hans Joachim Fabian, A.B., M.A., M.S.(L.S.) (Syracuse University) Columbus
Dissertation: Georg Kaiser's Pygmalion in the Light of Goethe's Tasso
Field of Specialization: German
- Evan Jerome Felty, B.A. (Bowling Green State University) Columbus
Dissertation: Interatomic Distances and Amplitudes of Vibration in Calcite Type Crystals
Field of Specialization: Chemistry
- Charles Anthony Ferguson, A.B. (Oberlin College) ; M.A. Hudson
Dissertation: Diderot's Contes in Dialogue Form
Field of Specialization: Romance Languages (French)
- Cletus Graydon Fisher, B.S. in Ed. (Kent State University) ;
M.A. (State University of Iowa) Canton
Dissertation: Confusions within Six Types of Phonemes in an Oral-visual System of Communication
Field of Specialization: Speech
- Milton Edward Foreman, B.A. (Albright College) ; M.A.... West Lawn, Pa.
Dissertation: Some Empirical Correlates of Positive Mental Health
Field of Specialization: Psychology
- Arnold Kenneth Fowler, B.S. in Agric. (University of New Hampshire) ;
M.S. (University of Connecticut) Durham, N. H.
Dissertation: Variations in Compatibility of Bovine Erythrocyte Antigens and Certain Measures of Fertility
Field of Specialization: Dairy Science
- Paul Harold Freytag, B.S. (University of Wyoming) ; M.Sc. Laramie, Wyo.
Dissertation: A Revision of the Nearctic Species of the Genus Idiocerus (Homoptera, Cicadellidae, Idiocerinae)
Field of Specialization: Entomology
- Bikramjit Singh Garcha, B.A., M.A. (Panjab University) Ludhiana, Punjab, India
Dissertation: Demand and Prices for Ohio Greenhouse Tomatoes and Projection of Prices to 1975
Field of Specialization: Agricultural Economics and Rural Sociology
- Gurbakhsh Singh Gill, B.Sc. (Agr.) (Panjab University) ; M.Sc. (Agr.) (East Panjab University) Ludhiana, Punjab, India
Dissertation: An Investigation of Some Cultural Aspects of Soybeans
Field of Specialization: Agronomy
- James C. Hansen, A.B., M.A. in Ed. (Nebraska State Teachers College at Kearney) Kearney, Nebr.
Dissertation: Relevance of the Supervisory Relationship to Counselor Trainee's Level of Experiencing and Self-Awareness
Field of Specialization: Education
- Gordon Adair Harshman, B.A., M.Ed. (University of Colorado) Pueblo, Colo.
Dissertation: Group Counseling in a Neuropsychiatric Hospital in Continued-treatment and Extended-privilege Settings
Field of Specialization: Psychology

- Walter Jennings Haubach, Jr., B.Sc., M.Sc. Dayton
Dissertation: Separation of the Isotopes and Spin Isomers of the Molecular Hydrogens by Preferential Adsorption at Low Temperatures
Field of Specialization: Chemistry
- John Patrick Henry, Jr., B.S.Ch.E. (Gonzaga University); M.S. (Northwestern University) Nampa, Idaho
Dissertation: Steady-state Counter-Diffusion of Gases in Porous Solids
Field of Specialization: Chemical Engineering
- Harold Walter William Homann, B.S. (Lawrence College); M.A. (Western Michigan University) Rockford, Ill.
Dissertation: Experimentally Induced Blockage of a Sustained Vowel by Nonlinear Distortion of Sidetone
Field of Specialization: Speech
- Kimball Lewis Howes, B.S. in Ed. (Western Illinois State Teachers College); M.A. in Ed. (Western Reserve University) Greenwich, Conn.
Dissertation: A History of the Ohio Association of Secondary School Principals
Field of Specialization: Education
- Donald Claude Huffman, B.S. in Agr., M.S. (University of Missouri) Winston, Mo.
Dissertation: A Technique for Classifying Farm Managers According to Managerial Ability
Field of Specialization: Agricultural Economics and Rural Sociology
- Glenn L. Immegart, B.S. in Music Ed., M.Ed. (University of Cincinnati) Cincinnati
Dissertation: Assessment of Organizational Power in an Administrative Performance System
Field of Specialization: Education
- Thomas Casey Irvin, B.A. Columbus
Dissertation: Norman H. Davis and the Quest for Arms Control, 1931-1938
Field of Specialization: History
- Richard Lawson Jackson, B.A. (Knoxville College); M.A. Knoxville, Tenn.
Dissertation: The Greguería of Ramón Gómez de la Serna: A Study of the Genesis, Composition, and Significance of a New Literary Genre
Field of Specialization: Romance Languages (Spanish)
- Charles Lyle Jennings, B.S. Ed., M.A. (University of Nebraska) San Antonio, Tex.
Dissertation: Personal Construct Theory and the Creativity Cycle
Field of Specialization: Psychology
- Norman Joseph Johnson, Jr., B.A. (Duquesne University); M.A. Youngstown
Dissertation: Toward a Taxonomy of Organizations
Field of Specialization: Sociology
- John Maxwell Jordan, B.S. (Central State College) Bessemer, Ala.
Dissertation: Studies on Metabolism in Penicillium charlesii: Some Relationships between Dicarboxylic Acid Metabolism and Production of Galactocarolose
Field of Specialization: Agricultural Biochemistry
- Hyun Chang Kim, B.Sc. (Seoul National University); M.Sc. Seoul, Korea
Dissertation: Deuteron Induced Reactions of Oxygen 16
Field of Specialization: Physics

- Young Whe Koo, B.B.A. (University of Georgia); M.S. in Com.
(University of Alabama).....Seoul, Korea
Dissertation: An Analysis of Selected Factors Influencing Labor Efficiency in Supermarkets
Field of Specialization: Agricultural Economics and Rural Sociology
- Gordon William Ladwig, B.A. (Beloit College); M.A.....Beloit, Wis.
Dissertation: Personal, Situational and Social Determinants of Preference for Delayed Reinforcement
Field of Specialization: Psychology
- John Edward Lane, B.S. (University of Maryland); M.Sc.
Washington, D. C.
Dissertation: The Development of the Oesophageal Diverticula in the Yellow Fever Mosquito, Aedes aegypti (L.) (Diptera: Culcidae)
Field of Specialization: Entomology
- Robert James Laughter, B.S. (Oregon State College); M.A.....Reno, Nev.
Dissertation: Socio-psychological Aspects of the Development of Athletic Practices and Sports Ethics
Field of Specialization: Physical Education
- Herbert Michael Lefcourt, A.B. (Antioch College); M.A....Brooklyn, N. Y.
Dissertation: Some Empirical Correlates of Negro Identity
Field of Specialization: Psychology
- Patricia Ann Lengel, B.A. (College of Wooster); M.Sc....North Ridgeville
Dissertation: A Biosystematic Study of Silphium integrifolium Michx., S. speciosum Nutt., and S. asperrimum Hook.
Field of Specialization: Botany and Plant Pathology
- Shen Lin, B.Sc. (University of the Philippines); M.A.....Columbus
Dissertation: Computer Studies of Turing Machine Problems
Field of Specialization: Mathematics
- William Elsam Lucke, B.Sc. (University of Nebraska).....Omaha, Nebr.
Dissertation: The Action of Alkaline Hypochlorite on the Methyl β -Celloöligosides
Field of Specialization: Chemistry
- Virgil Joseph Lunardini, Jr., B.S.M.E. (University of Notre Dame);
M.Sc.Chicopee, Mass.
Dissertation: An Experimental Study of the Effect of a Horizontal Magnetic Field on the Nucleate Pool Boiling of Water and Mercury with .02% Mg and .0001% Ti
Field of Specialization: Mechanical Engineering
- Arthur Chester Madry, B.S. (Florida Agricultural and Mechanical University); M.A.....Jacksonville, Fla.
Dissertation: The Functions and Training Needs of Adult Education Directors in Public School Systems
Field of Specialization: Education
- Bruce Wilbur Marion, B.S., M.S. (Cornell University).....Ithaca, N. Y.
Dissertation: Labor Utilization and Scheduling in Four Ohio Meat Departments
Field of Specialization: Agricultural Economics and Rural Sociology
- James Harold Martin, B.S. in Agric. (University of Tennessee); M.Sc.
Collinwood, Tenn.
Dissertation: The Role of Amino Acids in the Germination of Bacillus licheniformis Spores
Field of Specialization: Dairy Technology

- George Mehallis, B.Sc. in Edu., M.A. Coral Gables, Fla.
Dissertation: Industrial Arts Teacher Perception of the Merit Award Program for Youth
Field of Specialization: Education
- Roger Walker Meola, B.Sc. in Agr., M.Sc. Cleveland Heights
Dissertation: Factors Influencing Embryonic Longevity in Aedes aegypti (L.)
Field of Specialization: Entomology
- Syed Fazal Mohammad, B.Sc., M.Sc. (Muslim University) ... Aligarh, India
Dissertation: Some Relationships between Driving Point Pressure and Changes in Electrical Impedance of the Dog's Thigh
Field of Specialization: Physiology
- Alan Keith Moyer, B.S. (Bluffton College); M.A. Mt. Cory
Dissertation: Conformance of Ohio Elementary School Libraries to Regulations and Standards
Field of Specialization: Education
- Ann Elizabeth Nolte, B.S. in P.E. (George Washington University);
 M.S. (University of Wisconsin) Alexandria, Va.
Dissertation: An Historical Study of the Joint Committee on Health Problems in Education of the National Education Association and the American Medical Association
Field of Specialization: Physical Education (Health Education)
- Elaine Adams Novak, A.B. (Marshall University); A.M. (Columbia University) Huntington, W. Va.
Dissertation: The Production of an Amateur Musical Revue
Field of Specialization: Speech
- Herbert Orville Now, A.B. (Findlay College); A.M. (Miami University) Findlay
Dissertation: The Effect of Various Factors on Faculty Work Load at Findlay and Adrian Colleges
Field of Specialization: Education
- April Welsh O'Connell, B.A. (Beaver College); B.Sc. in Edu., M.A. Columbus
Dissertation: Sensori-perceptual Differences between Academically and Non-academically Retarded Children
Field of Specialization: Psychology
- James Carlross O'Hara, B.S. in Ae.E. (University of Texas); M.Sc. Princeton, Ky.
Dissertation: The Effect of a Radial Electric Field on the Flow of a Non-conducting Gas in a Circular Duct
Field of Specialization: Mechanical Engineering
- Bruce Michael Otto, B.S. (Carroll College) Tomah, Wis.
Dissertation: The Synthesis of Some Isomeric Polyalkylcycloparaffins
Field of Specialization: Chemistry
- Tet Chong Pang, B.S. (University of Illinois); M.Sc. Jesselton, British North Borneo
Dissertation: Application of the Shockley-Read Recombination Statistics to the Study of the P⁺NN⁺ Diode
Field of Specialization: Electrical Engineering
- Roy James Percy, B.A. (Hons.) (University of London) Columbus
Dissertation: Humor in the Fables
Field of Specialization: English

- Roberta Stokes Persick, B.S. in Ed. (Southeast Missouri State Teachers College); A.M. (University of Missouri); M.F.A. (Alfred University)St. Louis, Mo.
Dissertation: Arthur Eugene Baggs, American Potter
Field of Specialization: Art
- Donald Miles Poduska, A.B. (Loyola University); M.A. (University of Kentucky)Columbus
Dissertation: Synonymous Verbs of Motion in Plautus
Field of Specialization: Classical Languages (Latin)
- Henry Ponder, B.S. in Agr. (Langston University); M.S. (Oklahoma Agricultural and Mechanical University)Wawoka, Okla.
Dissertation: A Comparative Analysis of Selected Store Activities for Four Supermarkets, Columbus, Ohio
Field of Specialization: Agricultural Economics and Rural Sociology
- Harry Raymond Potter, B.S. (Iowa State University of Science and Technology); M.Sc.Marion, Ia.
Dissertation: Disabled Workers' Conception of Their Work Limitations and Vocational Potential
Field of Specialization: Agricultural Economics and Rural Sociology
- Robert Pruitt, B.S. in Ed. (Southwest Missouri State College); A.M. (University of Missouri)Springfield, Mo.
Dissertation: The Mathematics Preparation of Select Secondary School Teachers of Mathematics in Ohio Public Schools, 1961-1962
Field of Specialization: Education
- Hal Reed Ramer, B.S. (George Peabody College for Teachers); M.S. in S.W. (University of Tennessee)Columbus
Dissertation: Perceptions of University Departments and of the Role of Their Chairmen
Field of Specialization: Education
- Horace Wilmer Ray, B.S. (Pennsylvania State University); M.A.Columbus
Dissertation: The Application of Dynamic Programming to the Study of Multi-stage Decision Processes in the Individual
Field of Specialization: Psychology
- Richard Schell Ray, B.A., D.V.M., M.Sc.Hicksville
Dissertation: Some of the Metabolic Aspects of Experimentally Induced Ovine Ketosis
Field of Specialization: Veterinary Physiology and Pharmacology
- John William Rettig, A.B., M.A. (Xavier University)Cincinnati
Dissertation: The Latinity of Martin of Braga
Field of Specialization: Classical Languages (Latin)
- James Gordon Root, B.I.E., M.Sc.Columbus
Dissertation: Scheduling with Deadlines and Loss Functions and the Optimal Selection of Resources to Perform Tasks
Field of Specialization: Industrial Engineering
- Donald John Schaefer, A.B. (San Jose State College); M.A.Phoenix, Ariz.
Dissertation: On Significant Multiplicity and Approximate Tangential Properties of Continuous Transformations
Field of Specialization: Mathematics
- Bernhard Max Schmidt, B.E.E. (University of Dayton); M.Sc.Dayton
Dissertation: Magneto-optic Modulation of a Light Beam
Field of Specialization: Physics

- Rosario Rio Sciortino, B.S. (City College, New York) ; M.A.
(Fordham University)New York, N. Y.
Dissertation: Personality and Creative Abilities
Field of Specialization: Psychology
- Ahmed Bahieldine Shahine, B.Sc. Agr., M.Sc. Agr. (Cairo University)
Cairo, Egypt
*Dissertation: Effect of Potassium Sorbate and Vitamin K-5 on Apple
Juice Inoculated with Yeasts of Saccharomyces Genus*
Field of Specialization: Horticulture
- Charles Lawrence Sheridan, Jr., B.A., M.A.Columbus
*Dissertation: The Interocular Transfer of Brightness and Pattern Dis-
criminations in the Normal and Corpus Callosum-sec-
tioned Rat*
Field of Specialization: Psychology
- Jerry Nicholas Shinkle, B.M.E., M.Sc.Batavia
Dissertation: Characteristics of Liquid Hydrostatic Bearings
Field of Specialization: Mechanical Engineering
- Kenesaw Sloan Shumate, B.S.C.E. (Case Institute of Technology) ; M.Sc.
Jackson
*Dissertation: Physical and Biological Effects of Copper on the Acti-
vated Sludge Process*
Field of Specialization: Civil Engineering
- Margaret Jane Smith, B.S., M.A. (University of Akron)Akron
*Dissertation: Investigation of Moderator Variables Relative to the
Factor Analytic Model*
Field of Specialization: Psychology
- Robert Rutherford Smith, B.A. (University of Buffalo) ; M.A.
Buffalo, N. Y.
*Dissertation: The Wartime Radio News Commentaries of Raymond
Swing, 1939-1945*
Field of Specialization: Speech
- David Horton Staley, A.B. (Oberlin College) ; M.S. (Ohio University)
Columbus
*Dissertation: Commutativity of Operators in a Topological Space with
Applications*
Field of Specialization: Mathematics
- Dewey Henry Stollar, B.Sc. in Agr.; M.Ed. (Ohio University)Fleming
*Dissertation: Selected Factors Affecting Marketability of Ohio School
Bonds*
Field of Specialization: Education
- Robert Merrill Strimer, A.B. (Thiel College) ; M.S. (University of
Wisconsin)Delaware
*Dissertation: The Interrelation of Success or Failure in Athletics and
Certain Dynamics of Growth and Development in Selec-
ted Colleges and Universities in the State of Ohio*
Field of Specialization: Physical Education
- Armelda Harris Swearingen, B.A., M.A.Moberly, Mo.
*Dissertation: Correlates of Non-conforming Behavior of Domiciled
Veterans*
Field of Specialization: Psychology
- Harry Kiyoshi Tayama, B.S. (Flor.), M.S. (University of Illinois)
Chicago, Ill.
*Dissertation: Relationship of Plant Age, Leaf Dry Weight/Total Dry
Weight Ratio, Net Assimilation Rate, and Carbohydrate
Content to Optimum Growing Temperature of the Snap-
dragon*
Field of Specialization: Horticulture

- Ernest Peter Todosiev, B.S.E.E. (Queens University) ; M.A.Sc.
(University of Toronto) Wainfleet, Ont., Canada
Dissertation: The Action Point Model of the Driver-vehicle System
Field of Specialization: Electrical Engineering
- Elwood Dean Traylor, B.E., M.S. (Vanderbilt University) .. Madison, Tenn.
*Dissertation: The Mass Transfer of Single, Solid Uranium Spheres to
Flowing Molten Cadmium in Laminar and Turbulent
Flow*
Field of Specialization: Chemical Engineering
- Charles Otto Tucker, B.S. (Southern Illinois University) ; M.A.
(University of Oklahoma) Peoria, Ill.
*Dissertation: An Application of Programmed Learning to Informative
Speech*
Field of Specialization: Speech
- Edward James Wagner II, B.A., M.A. Cincinnati
Dissertation: State-federal Relations during the War of 1812
Field of Specialization: History
- James Harold Weber, B.S. (Marquette University) Madison, Wis.
*Dissertation: The Magnetic and Spectral Properties of Metal Tetra-
sulfophthalocyanine Complexes*
Field of Specialization: Chemistry
- Stanley Jerome Weiss, A.B. (City College, New York) ; M.A.
New York, N. Y.
*Dissertation: The Summation of Response Strengths Instrumentally
Conditioned to Stimuli along Different Sensory Modalities*
Field of Specialization: Psychology
- James Ray Wells, B.S. in Edu., M.S. (University of Tennessee) Miamisburg
Dissertation: Taxonomic Studies of the Genus Polymnia L.
Field of Specialization: Botany and Plant Pathology
- Jan Charles West, B.S. (Mount Union College) ; M.Sc. Alliance
*Dissertation: The Influence of Past History upon the Nonlinear
Passive Tensions Developed in Sinusoidally Extended
Frog Skeletal Muscle*
Field of Specialization: Physiology
- Russell Raymond Williams, B.Sc., M.Sc. Gambier
*Dissertation: Life History Studies on Four Digenetic Trematodes That
Utilize Lymnaea (Stagnicola) Reflexa (Say) as Their
First Intermediate Host in a Temporary Pond Habitat*
Field of Specialization: Zoology
- Carl Hess Wolgemuth, B.S. (Pennsylvania State University) ; M.Sc.
Bareville, Pa.
*Dissertation: The Use of a Chemically Reactive Gas in a Closed
Stirling Cycle*
Field of Specialization: Mechanical Engineering
- Cheng-Yu Yao, B.Sc. (National Chi-Nan University) ; M.Sc.
Shanghai, China
*Dissertation: Kinetics and Mechanism of Reaction of Halides with
Lithium*
Field of Specialization: Chemistry
- L. Ward Youry, B.S. (Central Michigan University) ; M.F.A. (Claremont
Graduate School, California) Long Beach, Calif.
*Dissertation: A Synthesis in the Decorative Use of Texture: A Pre-
sentation of Ceramic Pieces*
Field of Specialization: Art

(One hundred and seventeen candidates)

Certificate of Specialist in Educational Administration

Roy Woodrow Klay, B.S. in Edu. (Ohio University) ; M.A...McConnelsville
(One candidate)

Master of Arts

Jack Rhodes Adams-Webber, B.A. (Haverford College)Middletown
Field of Specialization: Psychology

Joyce Elaine Allen, A.B. (Wittenberg University)Springfield
Field of Specialization: History

Kathryn Ramona Allen, B.A. (University of Maine)Southboro, Mass.
Field of Specialization: Psychology

Oris Carter Amos, A.B. (Virginia State College)Columbus
Field of Specialization: Education

Stanley Bahorek, Jr., B.Sc. in Edu.Flushing
Field of Specialization: Education

Roger Lorin Baker, B.A. (Ohio Wesleyan University)Bellville
Field of Specialization: Education

Alan Lee Baldwin, A.B., LL.B. (Stanford University) .Redwood City, Calif.
Field of Specialization: Education

Howard S. Banchevsky, B.S. in Ed. (City College, New York)Columbus
Field of Specialization: Physical Education

William Bartha, B.Edu. (University of Toledo)Toledo
Field of Specialization: History

Lewis Andrew Bettinger, Jr., B.Sc.Canton
Field of Specialization: Psychology

Douglas MacArthur Bloomfield, B.A.Columbus
Field of Specialization: Journalism

Ronald Lee Boswell, B.A. (Arkansas Polytechnic Institute)
Field of Specialization: Music **Russellville, Ark.**

Ruth Elizabeth Bowers, B.S.Mus. (Capital University)Laurelville
Field of Specialization: Education

Richard John Boyd, B.Sc. in Edu.Columbus
Field of Specialization: Education

John Franklin Brandt, B.Sc. in Edu.Camden
Field of Specialization: Physical Education

Joseph Jay Braun, B.A. (University of Oregon)Skagway, Alaska
Field of Specialization: Psychology

Frederick James Bremer, B.S. in Edu. (Wittenberg University)Lima
Field of Specialization: Education

Rayalene Bailey Brizendine, B.A. (Marshall University)
Field of Specialization: Education **Stanaford, W. Va.**

Ruth Ann Brooks, B.Sc. in Edu.Kingston
Field of Specialization: Education

- Kenneth Albert Brunoehler, B.S. (Aurora College) Aurora, Ill.**
Field of Specialization: Education
- Genevieve Alvina Agatha Brusok, B.A. (University of Wisconsin) Columbus**
Field of Specialization: Education
- James Lee Burke, B.S. in Edu. (Capital University) Worthington**
Field of Specialization: History
- Suzanne Shute Burkholder, B.Sc. in Edu. Eaton**
Field of Specialization: Education
- Clare Maureen Callahan, B.S. in Edu. (University of Dayton) Dayton**
Field of Specialization: Music
- Perry Dean Campbell, B.S.E. (Henderson State Teachers College) Horatio, Ark.**
Field of Specialization: Education
- Michael Raymond Capozziello, B.Sc. in Edu. Wapakoneta**
Field of Specialization: Education
- Jo Ann Cowan Cartano, B.A. (Buena Vista College) Columbus**
Field of Specialization: Education
- Barbara Lynne Carter, B.A. (Western Maryland University) Allen Park, Mich.**
Field of Specialization: Classical Languages (Latin)
- Patricia Kirk Caston, B.Sc. in Edu. Columbus**
Field of Specialization: Education
- Ralph Peter Cebulla, A.B. (San Jose State College) Palo Alto, Calif.**
Field of Specialization: Psychology
- Dorothy Bell Childers, B.Sc. in Edu. Westerville**
Field of Specialization: Education
- Irvine Chotlos, A.B. (Marietta College) Granville**
Field of Specialization: Education
- Larry Herman Christman, A.B. (Bluffton College) Galion**
Field of Specialization: History
- Elaine Kay Clatterbuck, B.A. (University of Wyoming) Cheyenne, Wyo.**
Field of Specialization: Psychology
- Myron Coy Cline, B.Sc. in Edu. Ada**
Field of Specialization: Education
- Lawrence Eugene Cominsky, B.Sc. in Edu. Northfield**
Field of Specialization: Education
- Paul Eugene Conner, B.Sc. in Edu. Woodsfield**
Field of Specialization: Education
- Robert William Corll, B.Sc. in Edu. Canfield**
Field of Specialization: Physical Education
- Leonard Vincent Costantini, B.A. (University of Notre Dame) . . . Hopedale**
Field of Specialization: Education
- John Franklin Counts, B.Sc. in Phar., B.Sc. in Edu. Cincinnati**
Field of Specialization: Physical Education

- Joan Louise Frankenberger Crawford, B.Sc. in Edu.....Columbus
Field of Specialization: Education
- John Michael Crowley, A.B. in Ed. (Nebraska State Teachers College)
 Kearney, Nebr.
Field of Specialization: Education
- William Joseph Cummings, B.S. in Bus. Adm. (University of Tennessee)
 Knoxville, Tenn.
Field of Specialization: Business Organization
- Fritz Philip Dautermann, B.A., B.Sc. in Edu.....Columbus
Field of Specialization: Education
- Lawrence Malcolm Davis, B.A.....Cleveland
Field of Specialization: History
- Melissa Potter Devereaux, B.A.....Columbus
Field of Specialization: Art
- Robert Henry Dolliver, B.A. (Cornell College).....Cleveland
Field of Specialization: Psychology
- Donald Richard Domm, B.S. in Ed. (Bowling Green State University) Toledo
Field of Specialization: Education
- Donna George Dunning, B.Sc. in Edu.....Gambier
Field of Specialization: Education
- Margaret Wright DuPont, B.A. (Ohio Wesleyan University)Canton
Field of Specialization: Psychology
- Clement Benedict Durbin, A.B. (College of Saint Charles Borromeo)
 Zanesville
Field of Specialization: Education
- Ned Robert England, B.S. in Ed. (Bowling Green State University)
 Columbus
Field of Specialization: Education
- Phillip Michael Everett, B.Sc. in Edu.....Laurelville
Field of Specialization: Education
- Carolyn Oyler Forrest, B.Sc. in Edu.....Mt. Sterling
Field of Specialization: Education
- James Edward Fricke, B.S. in Educ. (Goshen College).....Goshen, Ind.
Field of Specialization: Speech
- Joel Richard Fruchtmann, A.B. (Tufts College).....New York, N. Y.
Field of Specialization: Economics
- James Charles Furgason, B.Sc. in Edu.....Columbus
Field of Specialization: Education
- Richard Thomas Garrigan, B.Sc. in Bus. Adm.....Cleveland
Field of Specialization: Business Organization
- Theodore Anthony Georgeff, B.S. in Ed. (Capital University)....Columbus
Field of Specialization: Physical Education
- Richard P. Geraghty, A.B. (University of Dayton).....Mineola, N. Y.
Field of Specialization: English
- Albert Knute Germanson, Jr., B.F.A.....Columbus
Field of Specialization: Art
- Charles Richard Gilbert, B.Sc. in Edu.....Columbus
Field of Specialization: Physical Education

- Elizabeth Jean Gipe, B.A. (Pennsylvania State University) ..Johnstown, Pa.
Field of Specialization: Sociology
- John Merton Goode, B.A. (Kansas State Teachers College, Emporia)
 Kansas City, Kans.
Field of Specialization: Education
- Martha Wagner Gordon, B.Sc. in H.E.....Worthington
Field of Specialization: Home Economics (Education)
- Peter Grasselli, B.Sc. in Edu.....Columbus
Field of Specialization: Music
- Ralph Leonard Hall, B.Sc. in Edu.....Hartville
Field of Specialization: Education
- Rollin Joel Haney, B.S. (Manchester College)Elkhart, Ind.
Field of Specialization: Music
- Margaret Calderwood Harrington, A.B. (Wittenberg University)
 Worthington
Field of Specialization: Education
- Trudora Vest Harshman, B.S. (H.Ec.) (University of Colorado)
 Columbus
Field of Specialization: Education
- Earl Chester Hassenpflug, B.A.....Westerville
Field of Specialization: Art
- Marguerite Hopkins Hatten, B.A. (Ohio Wesleyan University) ..Clarington
Field of Specialization: Romance Languages (Spanish)
- Francine Pearl Hazard, B.A.....Columbus
Field of Specialization: English
- Jack Boatwright Hazen, A.B. (Asbury College, Kentucky)Alliance
Field of Specialization: Physical Education
- Richard Daniel Heckathorn, B.S. in Ed. (Bluffton College)Forest
Field of Specialization: Education
- Don Edward Heft, B.S. (Agricultural and Mechanical College of Texas)
 Pickerington
Field of Specialization: Education
- Paul Anthony Hemmeter, A.B. (University of Detroit)Toledo
Field of Specialization: English
- Raymond Frederick Hopkins, B.A. (Ohio Wesleyan University) ..Columbus
Field of Specialization: Political Science
- Harry Hammond Howarth III, B.A., B.Sc. in Edu.....Cleveland
Field of Specialization: Psychology
- Eldon Duane Hoyt, B.S. (Manchester College)Winona Lake, Ind.
Field of Specialization: Education
- Edmond Beauregard Hughes, B.Mus. (West Virginia State College)
 Goldsboro, N. C.
Field of Specialization: Music
- Morris Dwight James, B.S. (Capital University)Fredericktown
Field of Specialization: Education
- Grace Branham Janes, B.S. in Educ. (Ashland College)Mansfield
Field of Specialization: Education
- Mary Lawrence Jarvis, B.Sc. in Edu.....Van Wert
Field of Specialization: Education

- *Richard Kimball Jemison.....Royal Oak, Mich.
Field of Specialization: English
- Ray Loress Johnston, B.Sc. in Edu.....Scio
Field of Specialization: Education
- Jeannette Ulmer Jones, B.Sc. in H.E.....Radnor
Field of Specialization: Home Economics (Education)
- Kathleen Snyder Kerry, B.A.....Columbus
Field of Specialization: Education
- Jane Hoar King, B.Sc. in H.E.....Newark
Field of Specialization: Home Economics (Education)
- Emil Anthony Kochis, B.S. (Minnesota State Teachers College, St. Cloud)
Moorhead, Minn.
Field of Specialization: Education
- Paul R. Koller, B.S. in Ed. (University of Dayton).....Cleveland
Field of Specialization: Education
- Treva Jean Krantz, B.Sc. in Edu.....Cleveland Heights
Field of Specialization: Education
- Gilbert Gene Krueger, B.S. (University of Wisconsin).....Lansing, Mich.
Field of Specialization: Education
- John Wentworth Lawson, B.A. (Brown University).....New York, N. Y.
Field of Specialization: Romance Languages (French)
- Charles Milton Lee, B.S. in Ed. (Bowling Green State University)
Bloomdale
Field of Specialization: Education
- Irene Sheung-Ying Leung, B.A. (University of Hong Kong)
Hong Kong, China
Field of Specialization: Geography
- Lloyd Keith Lewis, B.A. (Otterbein College).....Springfield
Field of Specialization: Speech
- Robert John Liikala, B.F.A.....Perry
Field of Specialization: Art
- John Matthew Lux, A.B. (City College, New York).....Staten Island, N. Y.
Field of Specialization: English
- Myrna May Magnuson, B.S. in Edu. (Kent State University)
Cuyahoga Falls
Field of Specialization: Education
- Robert Bruce Mahaffey, B.A.....Worthington
Field of Specialization: Speech
- Sharon Lee Main, B.S. in Edu. (Otterbein College).....Ostrander
Field of Specialization: Education
- Myrna Grace Mantel, B.S. in Edu. (Bowling Green State University)
Rudolph
Field of Specialization: English
- Richard Victor Marsh, B.Sc. in Edu.....Columbus
Field of Specialization: Education
- Claire Jones Marshall, B.S.Ed. (Ohio University).....Cleveland
Field of Specialization: Education
- Siva Annette Marshall, B.S. (University of Michigan).....Cleveland
Field of Specialization: Education

* Two degrees

- Helen June Massa, B.Sc. in H.E. Cleveland
Field of Specialization: Education
- Carol Ann Matz, B.A. (Ohio Wesleyan University) Columbus
Field of Specialization: Romance Languages (Spanish)
- Joseph T. Mayhew, B.Sc. in Edu. Toronto
Field of Specialization: Education
- Robert Oliver McFarlan, B.A. (College of Wooster) Prospect
Field of Specialization: Education
- Roger McNeily, B. Music Ed. (Otterbein College) Mt. Vernon
Field of Specialization: Music
- Raymond Francis McQuade, B.S. in Edu. (University of Dayton) Mineola, N. Y.
Field of Specialization: English
- Richard Lewis Meador, B.S. Ed. (Concord College) Hinton, W. Va.
Field of Specialization: Education
- Herta J. Brunnbauer Menders Columbus
Field of Specialization: German
- Estel David Miller, B.S. (Capital University) Galena
Field of Specialization: Education
- Forest Ralph Miller, B.A. Columbus
Field of Specialization: Speech
- Guy Gilbert Miller, B.S. in Ed. (Wittenberg University) Springfield
Field of Specialization: English
- Marjorie Harris Miller, A.B. (Denison University) Mt. Vernon
Field of Specialization: Education
- James Douglas Mitchell, B.S. (Washington College, Maryland) Worthington
Field of Specialization: Education
- Fred Lesley Montgomery, B.S. (College of Steubenville) Newark
Field of Specialization: History
- Paul Stewart Moore, B.Sc., B.Sc. in Edu. Cleveland
Field of Specialization: Education
- Jane Elizabeth Morrison, B.S. in H.Ed. (Pennsylvania State Teachers
 College, Slippery Rock) Slippery Rock, Pa.
Field of Specialization: Physical Education
- Rodger Frederic Morton, B.A. (Ohio Northern University) Vandalia
Field of Specialization: History
- John Nickolas Mulherin, B.Sc. in Edu. Columbus
Field of Specialization: Education
- Thomas Cecil Mulligan, B.B.A. (Fenn College) Cleveland Heights
Field of Specialization: Business Organization
- Thomas Phillip Murphy, B.S. in Ed. (University of Akron) Mogadore
Field of Specialization: Education
- Lee Vance Murray, B.S. (Michigan State University) Dexter, Mich.
Field of Specialization: Education
- Edna Audrey Nagy, B.A. (College of Saint Mary of the Springs) Barberton
Field of Specialization: Education

- James Alfred Neylans, B.S.Ed. (Ohio University)Columbus
Field of Specialization: Psychology
- William George Nicholson, B.A. (Brown University)Columbus
Field of Specialization: History
- Barbara Brillhart Niehoff, B.A. (Ohio Wesleyan University)Columbus
Field of Specialization: Romance Languages (Spanish)
- Connie Phillips Niemeyer, B.S. in Edu. (Miami University)Wapakoneta
Field of Specialization: Education
- Vloris Eugene Noel, B.S. in Ed. (Ball State Teachers College)
Reynoldsburg
Field of Specialization: Education
- Elizabeth Langham O'Brien, B.A. (Cedar Crest College, Pennsylvania)
Columbus
Field of Specialization: Education
- Peter Paul O'Millian, B.S. in Ed. (Georgia Teachers College)
Savannah, Ga.
Field of Specialization: Education
- James Ernest Omweg, B.Sc. in Agr.....Marion
Field of Specialization: Agricultural Education
- James Emerson Ort, B.Sc. in Edu.....Columbus
Field of Specialization: Education
- Imogene Kuenzli Orts, B.Mus. (Heidelberg College)Findlay
Field of Specialization: Music
- William Howard Paynter, B.Sc. in Edu.....Delaware
Field of Specialization: Education
- Tressa Masticola Perry, B.S. (Milwaukee State Teachers College)
Columbus
Field of Specialization: Education
- John Francis Pettibone, B.A. in Edu. (Ball State Teachers College)
Columbus
Field of Specialization: Journalism
- Betty Connolly Pettit, B.S. (H.Ec.) (University of Cincinnati)
Cortland, N. Y.
Field of Specialization: Speech
- Ted L. Pollock, B.M.E. (Capital University)Marion
Field of Specialization: Music
- Joann Priest, B.S. in Ed. (Southern Illinois University)Harrisburg, Ill.
Field of Specialization: Education
- Ronald Edward Reese, B.A. (Thiel College)Pittsburgh, Pa.
Field of Specialization: Psychology
- Margaret Mills Roberts, B.A.....Columbus
Field of Specialization: Speech
- Donald Edward Robison, B.A. (Sacramento State College)
Yuba City, Calif.
Field of Specialization: Education
- Donna Mae Robson, B.S.Ed. (Ohio University)Amsterdam
Field of Specialization: Education
- George James Royce, B.A. (Michigan State University) ..Kalamazoo, Mich.
Field of Specialization: Psychology

- Robert Charles Saunders, B.S. (Brooklyn College) Brooklyn, N. Y.
Field of Specialization: Physical Education
- Herbert Schenk, A.B. (Rutgers University) Irvington, N. J.
Field of Specialization: Psychology
- Phillip Craig Schlechty, B.Sc. in Edu. Rossburg
Field of Specialization: Education
- John Ross Schleppi, B.Sc. in Edu. Columbus
Field of Specialization: Physical Education
- Gail Dean Schoppert, B.S. (Oregon State College) Salem, Ore.
Field of Specialization: Physical Education
- Larry William Schultz, B.A. (Luther College, Iowa) Osakis, Minn.
Field of Specialization: Education
- Barbara Jane Selph, B.A. (Oklahoma State University) . . . Stillwater, Okla.
Field of Specialization: Speech
- Mac Owen Shaffer, B.Sc. in Jour. Columbus
Field of Specialization: Education
- Allen Jerome Shafran, B.A. Columbus
Field of Specialization: Political Science
- Grace Marie Shoemaker, B.A. (Ohio Wesleyan University) Columbus
Field of Specialization: Education
- David Lee Smith, B.Sc. in Bus. Adm. Alliance
Field of Specialization: Accounting
- Nancy Lee Smith, B.S. in Ed. (Bowling Green State University)
Sandusky
Field of Specialization: History
- Bernard Alan Snider, B.Sc. in Agr. McClure
Field of Specialization: Agricultural Education
- Gerald Lyman Soliday, B.A. Wooster
Field of Specialization: History
- Norville Edison Spence, B.A. (University of Manitoba)
Brandon, Man., Canada
Field of Specialization: Psychology
- Philip Leland Sprecher, B.A. (Otterbein College) Vandalia
Field of Specialization: Education
- Carol Ruth Stemple, B.S. in Ed. (Bowling Green State University)
Canal Fulton
Field of Specialization: Speech
- Grace Estella Stewart, B.S. in Ed. (Ohio University) Wilmington
Field of Specialization: Education
- Luther Raymond Stonecipher, B.S. in Edu. (Northern Illinois University)
Columbus
Field of Specialization: Education
- Beulah Craig Stoops, B.Sc. in Edu. Mt. Vernon
Field of Specialization: Education
- Robert Elliott Stout, B.A. Worthington
Field of Specialization: Speech
- Janice Faye Streier, B.S. in Ed. (Northern State Teachers College)
Aberdeen, S. Dak.
Field of Specialization: Education

- Robert Junior Stull, B.Sc. in Edu. Columbus
Field of Specialization: Art
- William Albert Styles, A.B. (Heidelberg College) Austinburg
Field of Specialization: Psychology
- Elca Theo Swigart, B.Sc. in Elem. Edu. (Mount Union College) Clinton
Field of Specialization: Speech
- Billie Wesley Taylor II, B.A. (Wilmington College) Columbus
Field of Specialization: Education
- Ruth Leota Taylor, B.S. in Educ. (Ashland College) Mansfield
Field of Specialization: Education
- Jeanine Delight This, B.A. (College of William and Mary) McLean, Va.
Field of Specialization: Classical Languages (Latin)
- Harriet Stephen Thorpe, B.Sc. in Edu. Ansonia
Field of Specialization: Education
- Clyde Austin Trumbull, B.S. in Ed. (Otterbein College) Columbus
Field of Specialization: Physical Education
- Helen Josephine Turner, B.Sc. in Edu. Steubenville
Field of Specialization: Music
- David Paul Vincent, A.B., M.A. (Catholic University of America) .. Dayton
Field of Specialization: Classical Languages (Latin)
- Bhani Visissobha, B.A. (Chulalongkorn University) Bangkok, Thailand
Field of Specialization: Education
- Bundit Vongkeao, B.Ed. (College of Education, Bangkok, Thailand)
Mahasarakam, Thailand
Field of Specialization: Education
- Ruth Dorn Watkins, B.Sc. in Edu. Springfield
Field of Specialization: Education
- Nathan James Weate, Jr., B.Sc. in Edu. Worthington
Field of Specialization: Education
- Hazel Sparks Webb, B.Sc. in Edu. Columbus
Field of Specialization: Education
- James Paul Weller, B.A. (University of Toronto) Toronto, Ont., Canada
Field of Specialization: Geography
- William James Wert, B.S.Ed. (Ohio Northern University) Mansfield
Field of Specialization: Education
- Floyd Richard West, B.S. (Ohio University) Galion
Field of Specialization: Education
- William Howard Whitaker, B.A. Chillicothe
Field of Specialization: Sociology
- Cynthia May White, B.Sc. in Edu. Kenton
Field of Specialization: Music
- Robert Allen Wilcox, B.Sc. in Edu. Cuyahoga Falls
Field of Specialization: Education
- Fredric Charles Willford, B.Sc. in Edu. Findlay
Field of Specialization: Music
- Jane Olwen Williams, B.S. (Western Reserve University) Oak Hill
Field of Specialization: Home Economics (Education)

Louise Barton Williams, B.S. in Edu. (Capital University)Columbus
Field of Specialization: Education

Mary Lou Law Willis, B.A. (Marshall University)Columbus
Field of Specialization: Education

Leonard LeRoy Wilson, A.B. (Wittenberg University)Springfield
Field of Specialization: English

John Richard Winzeler, B.Sc. in Edu.Trotwood
Field of Specialization: Physical Education

Ann Evans Wolf, B.S. in Edu. (University of Dayton)Dayton
Field of Specialization: Education

Richard Neil Wolman, A.B. (Brandeis University)Columbus
Field of Specialization: Psychology

Thomas Gene Wright, B.Sc. in Agr.Cambridge
Field of Specialization: Education

Swanit Yamabhai, B.A. (Chulalongkorn University)Bangkok, Thailand
Field of Specialization: Speech

Regina Marie Yando, B.S. in Mus. Edu. (College of Saint Mary
of the Springs)Columbus
Field of Specialization: Psychology

David Alan Yutzey, B.A. (Ohio Wesleyan University)Columbus
Field of Specialization: Psychology

Dorothy Eleanor Zimmerman, A.B. (Hiram College)Columbus
Field of Specialization: Education

Marilyn Jacobs Zytikus, B.S. in Ed. (Bowling Green State University)
Walbridge
Field of Specialization: Speech

(Two hundred and six candidates)

Master of Business Administration

Edward Arnold Andres, Jr., B.S.M.E. (Case Institute of Technology)
Waynesville
Field of Specialization: Business Organization

Stephen Jerome Austin, B.B.A. (University of Cincinnati)
Fort Thomas, Ky.
Field of Specialization: Accounting

John Alan Baird, B.Sc. in Bus. Adm.Columbus
Field of Specialization: Business Organization

Ronald Herman Ballou, B.M.E.Columbus
Field of Specialization: Business Organization

Herbert Dennis Brooker, B.Sc. in Bus. Adm.Cleveland
Field of Specialization: Business Organization

Arthur Martin Ciagne, Jr. B.S. (University of Detroit) .Birmingham, Mich.
Field of Specialization: Accounting

Graham Percy Cooper.Sydney, N. S. W., Australia
Field of Specialization: Business Organization

Norman Ted Crout, B.Sc. in Bus. Adm., LL.B.Columbus
Field of Specialization: Accounting

James Raymond Deters, B.S.C. (Ohio University)Cincinnati
Field of Specialization: Business Organization

- Donald Emerson Fender, Jr., B.Sc. in Bus. Adm.....Mowrystown
Field of Specialization: Business Organization
- Robert William Gardner, B.I.E.....Columbus
Field of Specialization: Business Organization
- Frank Harold Harmon, B.S. in B.A. (Kent State University)....Warren
Field of Specialization: Business Organization
- Josephine Lorenzana Macagba, B.S. in B.A. (University of the Philippines)
 San Fernando, La Union, Philippines
Field of Specialization: Accounting
- Brian Richard Mahoney, B.A.....Columbus
Field of Specialization: Business Organization
- Albert Malinverni, B.S. (University of Vermont).....Niagara Falls, N. Y.
Field of Specialization: Business Organization
- Glenn Kenge Matsumoto, B.S. (United States Military Academy)
 Bakersfield, Calif.
Field of Specialization: Business Organization
- Omer Morton McGlone, B.S. in Bus. Adm. (Berea College) ..Olive Hill, Ky.
Field of Specialization: Business Organization
- Joseph John Montesano, B.S.B.A. (Bowling Green State University)
 Rahway, N. J.
Field of Specialization: Business Organization
- Charles Vincent O'Donnell, B.Sc. in Bus. Adm.....Columbus
Field of Specialization: Business Organization
- George Ralph Orlando, B.S. (New York University).....Columbus
Field of Specialization: Business Organization
- John Lichtle Rider, B.Sc. in Bus. Adm.....Tiffin
Field of Specialization: Business Organization
- Sjirk Linso Rypma.....Heemstede, Holland
Field of Specialization: Business Organization
- Robert William Spell, B.S.E.E. (Purdue University).....Columbus
Field of Specialization: Business Organization
- Ronald Joseph Vannuki, B.B.A. (University of Notre Dame) ..Youngstown
Field of Specialization: Accounting
- John Arthur Van Oosten, B.S. in B.A. (Kent State University)
 Bay Village
Field of Specialization: Business Organization
- Tom Cameron Wright, B.Sc. in Bus. Adm.....Columbus
Field of Specialization: Business Organization

(Twenty-six candidates)

Master of City Planning

- Sambamurthy Thyagarajan, B. Arch. (University of Bombay)
 Bombay, India
Field of Specialization: Architecture (City Planning)
 (One candidate)

Master of Education

- Louis Dale Buchanan, B.A. (Muskingum College)Parma Heights
Field of Specialization: Education
- Kenneth Guy Cole, B.S.Ed. (Ohio University)Kirkersville
Field of Specialization: Education
- Kay Ann Douglas, B.S. in Edu. (Ashland College)Dalton
Field of Specialization: Education
- Mary Elizabeth Grau, B.S. (Heidelberg College)Bucyrus
Field of Specialization: Education
- Vivien Miller Herbert, B.S.Ed. (Ohio University)Venice, Fla.
Field of Specialization: Education
- Jeanne Deeds Hitz, A.B. (Denison University)Granville
Field of Specialization: Education
- Margaret Eileen Hummel, B.S. (Purdue University)Muncie, Ind.
Field of Specialization: Education
- Ruth Eleanor Oshel, B.A. (Marshall University)Columbus
Field of Specialization: Education
- Robert Voneida Sanders, B.Sc. in Edu.....Columbus
Field of Specialization: Education
- Don Terry Scott, B.S. in Ed. (Bowling Green State University)Galion
Field of Specialization: Education
- Orval Lee Seaman, A.B. (Colorado State College)Greeley, Colo.
Field of Specialization: Education
- Robert John Smith, B.Sc. in Agr.....Payne
Field of Specialization: Agricultural Education
- Dan Curtis Spivey, B.A., B.Sc. in Edu.....Columbus
Field of Specialization: Education
- Thomas James Stevens, B.S. (Wisconsin State College at Eau Claire)
 Chetek, Wis.
Field of Specialization: Education
- William Darrell Thaxton, B.S.Edu. (Ohio University)Lancaster
Field of Specialization: Education
 (Fifteen candidates)

Master of Medical Science

- Dorothy Waldron Jordan, B.Sc., M.Sc., Ph.D., M.D.....Columbus
Field of Specialization: Surgery
- Arthur Bill Kieger, A.B. (Dartmouth College); M.D. (Harvard University)
 Cleveland
Field of Specialization: Surgery
 (Two candidates)

Master of Science

- Wissam Girgis Abdel-Sayed, B.Sc. (Alexandria University)
 Alexandria, Egypt
Field of Specialization: Chemistry
- Sidney Gordon Barrett, L.D.S. (University of Leeds)
 Ruislip, Middlesex, England
Field of Specialization: Dentistry

- Ralph William Batsche, Jr., B.A. (University of Colorado) Dayton
Field of Specialization: Geology
- Ali Kemal Bedestenci Ankara, Turkey
Field of Specialization: Agricultural Economics and Rural Sociology
- Nancy Lee Bell, B.Sc. Columbus
Field of Specialization: Microbiology
- Thomas Alan Breiter, B.S. (Mankato State College) . . . Lake Crystal, Minn.
Field of Specialization: Mathematics
- *Richard Dale Brown Newark
Field of Specialization: Physics
- George Randall Brubaker II, A.B. (Columbia University) . . Flushing, N. Y.
Field of Specialization: Chemistry
- Richard McLaughlin Burkley, B.S. (Georgetown University)
 Chevy Chase, Md.
Field of Specialization: Physics
- Stephanie Swartzel Cannon, B.Sc. in Edu. Waynesville
Field of Specialization: Zoology
- Patricia Crane Carpenter, B.Sc. Fairview Park
Field of Specialization: Anatomy
- William Henry Carpenter, Jr., B.A. (Baylor University) . . Karnes City, Tex.
Field of Specialization: Geodetic Science
- Guillermo Carrillo-Vargas, Ing. (Escuela Especial de Ingenieros de
 Caminos, Canales y Puertos) Toledo, Spain
Field of Specialization: Civil Engineering
- Lai-Man Chan, B.Sc. (Taiwan Provincial Cheng Kung University)
 Hong Kong, China
Field of Specialization: Chemistry
- Kailash Chander Chopra, B.A. (Roorkee University); B.Sc. (Benares
 Hindu University); M.E. (Roorkee University)
 Chandigarh, Punjab, India
Field of Specialization: Geodetic Science
- Barbara Dunn Cooke, B.S. (Tuskegee Institute) Columbus
Field of Specialization: Nursing
- Arthur Delbert Coon, B.S. (Ohio University) Butler
Field of Specialization: Chemistry
- Maria Rosa Costas-Bolivar, B.S. (University of Puerto Rico)
 Miramar, Puerto Rico
Field of Specialization: Pathology
- David Edward Cummins, B.Sc. Columbus
Field of Specialization: Mathematics
- James Emerson Deck, B.Sc. Newark
Field of Specialization: Zoology
- William Arthur DeLoach, Jr., B.A. (Baylor University) Lufkin, Tex.
Field of Specialization: Geodetic Science
- Ronald Wayne Dickey, B.S. (Western Illinois University) Pawnee, Ill.
Field of Specialization: Agricultural Economics and Rural Sociology

* Two degrees

- Frederick Monroe Eckel, B.Sc. in Phar. (Philadelphia College of Pharmacy and Science)North Hills, Pa.
Field of Specialization: Pharmacy
- William Joseph Egan, Jr., B.S. in Aero. Engr. (Saint Louis University)Newton Highlands, Mass.
Field of Specialization: Aeronautical and Astronautical Engineering
- Walda Mae Engelbrecht, B.S. in Ed. (New York State University Teachers College, Oneonta)Munnsville, N. Y.
Field of Specialization: Home Economics
- Robert Dean Fuller, B.Sc. in Agr.Marengo
Field of Specialization: Agricultural Education
- Ralph Jürgen Gerke, B.S. in Aero. Engr. (Saint Louis University)Columbus
Field of Specialization: Aeronautical and Astronautical Engineering
- William Raymond Givens, B.M.E.Columbus
Field of Specialization: Mechanical Engineering
- Charles John Graham, B.S. (University of Washington) ; D.D.S. (Northwestern University)Ocala, Fla.
Field of Specialization: Dentistry
- Joseph Leo Hackett, B.Sc. in Med. Tech.Middletown
Field of Specialization: Pathology
- Roxane DuBois Hamilton, B.S.H.Ec. (Ohio University) .. Washington, D.C.
Field of Specialization: Home Economics
- Marian Idle Hammond, B.Sc. in H.E.Mansfield
Field of Specialization: Home Economics
- Jefferson Frederic Hardin, D.D.S. (University of Tennessee)Knoxville, Tenn.
Field of Specialization: Dentistry
- Charles William Harris, B.S. (Capital University)Dayton
Field of Specialization: Chemistry
- Barbara Mansfield Heinzerling, B.Sc. in H.E.Elyria
Field of Specialization: Home Economics
- Henry Orville Heisey, B.S. (Wheaton College)Louisville
Field of Specialization: Chemistry
- Rohe Fred Helm, B.Sc.Columbus
Field of Specialization: Chemistry
- Corey Hoyt Holmes, D.D.S. (University of Kansas City)Daytona Beach, Fla.
Field of Specialization: Dentistry
- Ann Tomcik Huffman, A.B. (Miami University)Barberton
Field of Specialization: Botany and Plant Pathology
- Stanley Rusk Ingman, A.B. (Miami University) ..South Charleston, W. Va.
Field of Specialization: Agricultural Economics (Rural Sociology)
- Ronald Fadel Isaac, A.B. (Western Reserve University)Cleveland
Field of Specialization: Anatomy
- Judith Lee Jameson, B.Sc. in Nurs.Sandusky
Field of Specialization: Nursing
- Bhagwant Singh Jarry, B.Sc. (Agra University) ; I.D.D. (Indian Dairy Research Institute)Udaipur, Rajasthan, India
Field of Specialization: Dairy Technology

- Wendell Dean Keller, B.S.C.E. (Ohio Northern University) Findlay
Field of Specialization: Civil Engineering
- Manert Howard Kennedy, B.S. (Butler University) Clawson, Mich.
Field of Specialization: Zoology
- Heung Tai Kim, B.Sc. in Eng. (Seoul National University) Seoul, Korea
Field of Specialization: Chemical Engineering
- Harvey Lee Kiser, B.Sc. in Agr. Wapakoneta
Field of Specialization: Agricultural Economics and Rural Sociology
- William Wittman Lane, B.S. in C.E. (Carnegie Institute of Technology)
Field of Specialization: Civil Engineering Williamstown, W. Va.
- Louis Marcel Lenz, B.Sc. (University of Manitoba) . Brandon, Man., Canada
Field of Specialization: Horticulture
- Thomas Melvin Marshall, B.Sc. in Phar. Xenia
Field of Specialization: Pharmacy
- Louis Mario Martucci, B.S. (Union College) Troy, N. Y.
Field of Specialization: Geodetic Science
- Robert Allyn McCoy, B.Sc. in Phys. Columbus
Field of Specialization: Metallurgical Engineering
- Carol Rudge McCummins, B.Sc. in H.E. Fowler
Field of Specialization: Home Economics
- Craig Ray Means, B.S. (Southern University) ; D.D.S. (Howard
University) Washington, D. C.
Field of Specialization: Dentistry
- David Michael Miller, B.Cer.E. Uhrichsville
Field of Specialization: Ceramic Engineering
- Robert Theodore Minkoff, A.B., B.S. (Columbia University) Columbus
Field of Specialization: Electrical Engineering
- Daniel Edward Molnar, B.I.E. Cleveland
Field of Specialization: Industrial Engineering
- Ralph Ernest Neill, B.S.A. (Purdue University) Corning, Ia.
Field of Specialization: Agricultural Economics (Rural Sociology)
- Rashel Nikravesh. Tehran, Iran
Field of Specialization: Geology
- *Joe Duane Nunnikhoven. Burlington, Ia.
Field of Specialization: Welding Engineering
- Steve Robert O'Donnell, B.E.E. Steubenville
Field of Specialization: Electrical Engineering
- Samuel Folorunso Onabanjo, B.Sc. (University of Wales)
Field of Specialization: Civil Engineering Ebute-Metta, Nigeria
- John William Oren, Jr., B.Sc. in Agr. Kingsville
Field of Specialization: Agricultural Education
- Donald Charles O'Shea, B.S. (University of Akron) Akron
Field of Specialization: Physics
- James Eugene Parsons, B.Sc. Lima
Field of Specialization: Microbiology

* Two degrees

- Suresh Baburao Pradhan, B.Sc. (University of Saugar) ; B.Sc. (Tech.)
(University of Bombay).....Bombay, India
Field of Specialization: Pharmacy
- Harold Wilfred Preiskel, B.D.S. (University of London) ..London, England
Field of Specialization: Dentistry
- James Alan Purvis, B.Sc. in Med. Tech.....Middletown
Field of Specialization: Pathology
- Thomas Clough Rambo, B.A. (College of Wooster)Wooster
Field of Specialization: Zoology
- Charles Frederick Rau, D.D.S.....Columbus
Field of Specialization: Dentistry
- Jack Thurman Raver, B.A. (Wesleyan University, Connecticut)
Field of Specialization: Home Economics Youngstown
- Bernard Claude Ream, B.S. (Seton Hall University)Johnstown, Pa.
Field of Specialization: Chemistry
- John Dorward Rockie, B.S. (State College of Washington)Columbus
Field of Specialization: Geodetic Science
- James Edward Ryan, D.D.S. (University of Washington)
Field of Specialization: Dentistry Winnipeg, Man., Canada
- Frank Joseph Sattler, B.W.E.....Perrysburg
Field of Specialization: Welding Engineering
- David Warren Saunders, B.S. (University of Oregon)Eugene, Ore.
Field of Specialization: Geodetic Science
- Kenneth Duane Schreder, B.S.E. (E.E.) (University of Michigan)
Field of Specialization: Electrical Engineering Salem, Ore.
- Elizabeth Susan Sharpe, B.S.H.E. (West Virginia University)
Field of Specialization: Home Economics Morgantown, W. Va.
- David Lee Smetzer, B.Sc. in Agr., D.V.M.....Bellevue
Field of Specialization: Veterinary Physiology
- John Milton Smith, A.B. (Asbury College)Mendon
Field of Specialization: Zoology
- Merlin Chapman Smith, Jr., B.S. (Southwestern Louisiana Institute)
Field of Specialization: Geodetic Science Lafayette, La.
- Jack Sonn, B.S. (Queens College)Flushing, N. Y.
Field of Specialization: Mathematics
- Robert Ray F. Speers, B.S. (University of Michigan)Sandusky
Field of Specialization: Electrical Engineering
- Gerhard Reiner Spory, A.B. (Marietta College)Brooklyn, N. Y.
Field of Specialization: Zoology
- John Raymond Springer, B.Sc.....Glenford
Field of Specialization: Physics
- Ann Beddow Steiner, B.S. in Edu. (Miami University)Toledo
Field of Specialization: Home Economics
- James Hoy Stephenson, B.S. (Carson-Newman College)
Field of Specialization: Chemistry Fayetteville, Tenn.

- Robert Douglas Stewart, Mech. Engr. (Stevens Institute of Technology)
Field of Specialization: Mechanical Engineering Verona, N. J.
- Dean Edward Svoboda, B.E.E. Cleveland
Field of Specializations Electrical Engineering
- William Paul Swarts, B.A. (College of Wooster) Barberton
Field of Specialization: Zoology
- John William Traubert, A.B. (West Virginia University) Columbus
Field of Specialization: Physiological Chemistry
- Nancy Bigler Traubert, B.Sc. in Nurs. New Philadelphia
Field of Specialization: Nursing
- Jerry Robert Van Meter, B.Sc. in Agr. Canton
Field of Specialization: Zoology
- William John Vastine, B.Sc. in Agr. Blanchester
Field of Specialization: Agricultural Economics and Rural Sociology
- Franco I. Veliz, Ing. (National University of Engineering, Lima, Peru)
Field of Specialization: Industrial Engineering Lima, Peru
- Deodatt Anant Wadke, B.Pharm. (Benares Hindu University)
Field of Specialization: Pharmacy Bombay, India
- Walter Barry Wagner, B.S. in M.E. (Lehigh University) Drums, Pa.
Field of Specialization: Mechanical Engineering
- *Craig Thompson Walters. Columbus
Field of Specialization: Physics
- James Fletcher Walther, B.A. (Central College) St. Louis, Mo.
Field of Specialization: Chemistry
- Charles James Watsabaugh, D.V.M. (Iowa State College) ... Humeston, Ia.
Field of Specialization: Veterinary Physiology
- Joseph Francis Weiss, B.S. (University of Scranton) Moosic, Pa.
Field of Specialization: Physiological Chemistry
- *Charles Anthony Willson. Columbus
Field of Specialization: Metallurgical Engineering (Mining Engineering)
- Dean Richard Yoesting, B.Sc. in Agr. New Carlisle
Field of Specialization: Agricultural Economics (Rural Sociology)
- Dale Allen Zych, B.S. in Physics (Case Institute of Technology) .. Cleveland
Field of Specialization: Physics
 (One hundred and four candidates)

Master of Social Work

- Sue Anne Force, A.B. (Ohio University) Shreve
Field of Specialization: Social Work
- Virginia Lautenschlager Garratt, B.A. (College of Wooster)
Field of Specialization: Social Work Fredericktown
- Fredrick Paul Green, B.S. (Western Reserve University) Columbus
Field of Specialization: Social Work
- Charles Russel Waymire, B.A. (Greenville College) Englewood
Field of Specialization: Social Work
 (Four candidates)

• Two degrees

CANDIDATES FOR TWO DEGREES

Richard Dale Brown.....	Newark
Master of Science	
Bachelor of Science in Physics	
Dorothy Jane Cellio.....	Columbus
Bachelor of Arts	
Bachelor of Science in Education	
Nancy Sarah Grayson.....	Columbus
Bachelor of Arts	
Bachelor of Science in Education	
Richard Kimball Jemison.....	Royal Oak, Mich.
Master of Arts	
Bachelor of Arts	
Joe Duane Nunnikhoven.....	Burlington, Ia.
Master of Science	
Bachelor of Welding Engineering	
Craig Thompson Walters.....	Columbus
Master of Science	
Bachelor of Science in Physics	
Charles Anthony Willson.....	Columbus
Master of Science	
Bachelor of Engineering in Mining	
(Seven candidates)	

COLLEGE OF AGRICULTURE AND HOME ECONOMICS

Dean: ROY M. KOTTMAN

Bachelor of Science in Agricultural Biochemistry

Robert Lee Schaller.....Perrysburg
(One candidate)

Bachelor of Science in Agriculture

David Carl Abbott.....Sidney
Eldon Dean Baldwin.....Ashley
Edward Daniel Blackston.....Rockbridge
James Kent Brittsan.....Van Wert
Lyle Robert Deemer.....Mentor
Jack Burnell Fetter.....Prospect
Jerry Curtis Fletcher.....Chillicothe
Donald Arthur Fordham.....Bucyrus
Dane Marvin Garman.....Hilliard
David Barry Getz.....Canal Winchester
Fernando Gil-Gomez.....Bogota, Colombia, South America
James Eugene Grimes.....Wakeman
Karen Diane Harmon.....Pataskala
Larry Lee Heintz.....Degraff
Rayburn Weeks Hemphill, Jr.....Akron
Forrest Edwin Heyduk.....Cleveland
James Quentin Holley.....Cleveland
William Earl Jones.....Columbus
Robert Thomas Mellen, Jr.....Willoughby
Allan Roy Myers.....Columbus Grove
Joseph McArthur Reed.....Belle Center
Philip Andrew Renner.....Columbus
John Joseph Saltzman, Jr.....Alvada
Myron Harold Schaer.....Carroll
David Glenn Scholl.....Sunbury
Gerald Lee Stankorb.....Cincinnati
Barbara Sydney Stein.....Lincolnwood, Ill.
Ruthe Yaxley Sweet.....East Cleveland
Dorothy Lois Thompson.....Marion
John Dougherty Watson.....Newcomerstown
Gerard Radcliffe Welter.....Tiffin
James Beverly Williams.....Mowrystown
Tommy Owen Yazel.....Lima

(Thirty-three candidates)

Bachelor of Science in Dairy Technology

Thomas James Alexander.....Washington, Ill.
(One candidate)

Bachelor of Science in Food Technology

Thomas Madison Murtaugh, Jr.....Sunbury
Marlow Gene Zigler.....Montpelier

(Two candidates)

SCHOOL OF HOME ECONOMICS

Bachelor of Science in Home Economics

Martha Dolores Baker.....	Vestaburg, Pa.
Jean Anne Dawson.....	Columbus
Myrta Jean Dorn.....	South Solon
Ann Sharkey Fender.....	West Carrollton
Diana Koning Hancock.....	Bucyrus
Brenda Hammond Heuser.....	Dayton
Rita Ann Higgins.....	Lancaster
Jolene Ann Johnson.....	Kenton
Joyce Armeda Jones.....	Loudonville
Yvonne Karg Knoll.....	Nevada
Jane Roberts Kramer.....	Genoa
Mary Shaw Link.....	Ashley
Carole Jane Neal.....	Tipp City
Edith Nutkin.....	Beachwood
Barbara Francis Phipps.....	Elyria
Sandra Jane Price.....	Lebanon
Farahnaz Riaz.....	Tehran, Iran
Roberta Sue Simpson.....	Columbus
Carol Ann Youmans.....	Columbus

(Nineteen candidates)

COLLEGE OF ARTS AND SCIENCES

Dean: J. OSBORN FULLER

Bachelor of Arts

Richard Larry Arlen.....	Crestline
David George Arnold.....	South Euclid
Carl Frederick Asseff.....	Euclid
David Timothy Bainter.....	Columbus
Richard Horace Barone.....	Sheffield Lake
Allen William Barr.....	Columbus
James Lee Bartholomew.....	Columbus
Arlene Lois Behnke.....	Youngstown
Charles Dietrich Bieser.....	Dayton
George David Bogdan.....	Lorain
Everett Arthur Bolz.....	Columbus
Myron Adair Burdge.....	Columbus
Mary Emerson Cass.....	Granville
Tyrone Joseph Castellarin.....	Columbus
* Dorothy Jane Cellio.....	Columbus
Newella Dee Chandler.....	Columbus
Larry Edward Clark.....	Stryker
Shirley Jean Clark.....	Mansfield
James Eugene Coffey.....	Canton
Molly Nedra Cohen.....	East Liverpool
Norman Edward Cook.....	Paulding
Robert Phillip Cooper.....	Columbus
Bruno Mario Damiani.....	Columbus
Edwin Brayton Davis.....	Carey
George Michael Drosos.....	Campbell
Judith Elizabeth Dudinsky.....	Cleveland
Marcia Kay Duncan.....	Columbus
Chiaki Charles Endo.....	Cleveland
Joyce Hughes Entwistle.....	Columbus
James Michael Evans.....	Bloomington
Susan Diane Everett.....	Mt. Vernon
Philip Lee Eyerman.....	Worthington
Mary Bonita Fontana.....	Columbus
Mary Elizabeth Fontana.....	Columbus
John Fredrick Carl Fox.....	Columbus
Nancy Ann Franks.....	Lower Salem
Ireen Joyce Friedman.....	Columbus
Carol Lynn Goss, B.Sc. in Edu.....	Cincinnati
* Nancy Sarah Grayson.....	Columbus
Donald Ira Green.....	Toledo
Mark David Groban.....	Columbus
Ray Vernon Haning, Jr.....	Lakewood
Patricia Ann Hanych.....	Parma
Roger Dean Haring.....	Mansfield
Wilbur Ray Hawkins.....	Middletown
Mildred Pugh Hayman.....	Columbus
Susan Mae Hickox.....	Warren
Charles Ray Hildreth (cum laude).....	Dayton
Margaret Mary Hopkins.....	Jeromesville
Thomas Eugene Iannarino.....	Worthington
Thomas Edward James.....	Lancaster

* Two degrees

*Richard Kimball Jemison (summa cum laude)	Royal Oak, Mich.
Jerome Frederick Johnson	Rocky River
Linda Jane Johnson	Toledo
Timothy Patrick Kenny	Columbus
John Thomas Kinsey	Newark
James Barry Klass	Columbus
William James Koperna	Cleveland
Ernest Clarence Kuhn	Newark
Stanley Lane	New York, N. Y.
Lynn Douglas Lawver	Fairborn
Thomas Charles Lease	Salem
Charles Neil Lindig	Columbus
Gary Mitchel Lippert	Wilmington
Jack Eldon Love	Fremont
Judith Ann Lull	Cincinnati
Harold Sanford Maggied	Columbus
Roger William Matthews	Bellefontaine
Diana Brownfield McBee	Columbus
Elizabeth Anne McCarthy	Columbus
Lynne Stover McCullough	East Liverpool
Barbara Joan McGeorge	Wadsworth
Donald Merz	Columbus
Brooks Allen Mick	Columbus
Lawrence Hamilton Miller, Jr.	Granville
Alexandra Love Molohoskey	Akron
Stuart Oppenheimer (cum laude)	Columbus
Paul Edward Pfeifer	Bucyrus
Ronald Elton Plymale	Hilliard
Kenneth John Polyak	Fairview Park
Paule Chovnick Prebus	Columbus
John Robert Randis	Columbus
Sara Louise Reilly	Portsmouth
John Frederick Ridgley II	Columbus
Sandra Lee Robinette	Toronto
Kevin Michael Ryan	Dayton
Gerald Neil Sandy	Euclid
James Matthew Santo	Warren
William Olin Schaffner	Ashtabula
Sharon Sybil Scott	Massillon
Sue Ellen Scott	Columbus
Thomas Gordon Shanks	Ada
Dick Larry Shover	Columbus
William Albert Showman	Columbus
Anna Lee Shutt	Cleveland
Wallace Bowles Taggart, Jr.	Dayton
Robert George Taylor	Mentor
Alan William Tipka (cum laude)	Newark
William Franklin Toothman	Newark
Kraig Ronald Vogt	Cincinnati
Lester Eugene Webb	Solon
Alan Neil Weiss	Columbus
John Crawford Wells	Columbus
Walter Alvin Wildman	Springfield
Martha Leonore Wilson	Dayton
Henry Joseph Whalen Woodward	Columbus
Joseph Richard Zecher	Lebanon

* Two degrees

(One hundred and seven candidates)

Bachelor of Science

Adetunji Adelekan.....	Lagos, Nigeria
Linda Angela Ambrosini.....	Youngstown
Donald Henry Aue (with Distinction in Chemistry).....	Columbus
Roger Hal Babb.....	East Liverpool
Judith Louise Banks.....	Columbus
Barbara Jean Baumeister.....	Columbus
David Craig Bostwick.....	Deerfield
Louis Harry Charity, Jr.....	Columbus
Palmer Robert Cook.....	Kent
Samuel Edward Crockett.....	Columbus
Bruce Wayne Erickson (cum laude and with Distinction in Chemistry)	Columbus
Jan Norman Fouts.....	Martinsville, Ind.
David Marshall Gordon (cum laude).....	Columbus
James Frederick Grate.....	Dayton
Antone William Hagen.....	Napoleon
Richard Joseph Hogan.....	Middletown
Phillip Channell Johnson.....	Athens
Edwin Sigmunt Koglikowski.....	Gahanna
Ricardo Roman Leoni.....	Rayland
David Edward Lichtenberg.....	Parma
Ronald Erwin Loesch, B.M.E. (General Motors Institute).....	Warren
Lawrence William Loveland.....	Columbus
James Hugh McCreary, Jr.....	Columbus
Bruce Gordon McDougal.....	Galion
Doral Scott Mills, Jr.....	Zanesville
Paul Steele Niswander.....	Lima
Loren Roger Parker.....	South Vienna
Donald Lawrence Perdue.....	Columbus
Hans Joachim Ritz.....	Guatemala City, Guatemala
Louis Salamone, Jr.....	Waltham, Mass.
Julie Ann Schock.....	Dayton
Robert Richard Smith.....	University Heights
James David Speer.....	Van Wert
John Arthur Spees.....	Terrace Park
Warren Randall Spencer.....	Clarence, Mo.
John Gerald Stefko.....	Campbell
Joseph Calland Topping, Jr.....	Bay Village
Jason Frederick Traxler.....	Columbus
Phillip Macklin Valentine.....	Lancaster
Ronald Douglas Wells.....	Columbus
David Paul Wetzell.....	Minster

(Forty-one candidates)

Bachelor of Science in Medical Technology

Sharon Andrea Gross.....	Chattanooga, Tenn.
Camille Emily Heitchue.....	Columbus
Sandra May Tinnermann.....	Columbus
Patricia Louise White.....	Columbus

(Four candidates)

**Bachelor of Science
in Physical Therapy**

Katherine Hartlage Beegan.....Portsmouth
Jane Crossley Golden.....St. Paul, Minn.
James Davidson Harris.....Dayton
George Ellis Hilty.....Sterling
Mary Ellen Minshall.....Yellow Springs
Dane Hubbard Osborne.....Ironton
Rhea Regina Stapf.....Cable

(Seven candidates)

SCHOOL OF JOURNALISM

Bachelor of Arts

Elsa Ann Rubin (cum laude).....East Liverpool
Irene Moody Swan.....Columbus

(Two candidates)

SCHOOL OF OPTOMETRY

**Bachelor of Science
in Optometry**

Kenneth Jay Breckenridge.....Lorain

(One candidate)

COLLEGE OF COMMERCE AND ADMINISTRATION

Dean: JAMES R. MCCOY

Bachelor of Science in Business Administration

Jon William Agee.....	Columbus
Howard Keith Allen.....	West Mansfield
Marie Joyce Shull Appel.....	Athens
Keith Donald Baker.....	Galion
Joseph Sebastian Balling, Jr.....	Dayton
Richard Allen Barrett.....	Columbus
Allan Marshall Blue.....	Columbus
Rea Eugene Boone.....	Bellefontaine
Frederick William Bracht.....	Akron
Mary Jane Heimlich Bradley, B.Sc. in Edu.....	Marysville
Pamela Joyce Chentow.....	Salem
Peter Howard Chester.....	New York, N. Y.
Anthony John DiMare.....	Conneaut
Margaret Ollie Edgar.....	Shelby
Howell Evan Edwards.....	Martins Ferry
Norman Eig.....	Clifton, N. J.
John Edward Matthias Enroth, Jr.....	Portuguese Bend, Calif.
Stuart Fred Evans.....	University Heights
Robert Plum Featheringham.....	Ashville
Frank Anthony Fiori.....	Centerville
Larry Gene Fogle.....	Mt. Vernon
John William Foos.....	Marion
James Bernard Fox.....	Columbus
Charles Robert Frutig.....	Sandusky
Charles Wright Gayton.....	Columbus
Larry Goldberg.....	Shaker Heights
William Alan Goldman.....	Akron
Donald William Good.....	Columbus
John Farrell Hamill.....	Rocky River
Wayne Milford Harley.....	Ashtabula
Mary Elizabeth Havens.....	Delaware
Arnold Ira Henden.....	South Euclid
Dennis George Hockman.....	Columbus
David Alan Hopper.....	Columbus
Soon Ju Hwang.....	Seoul, Korea
Dale S. King.....	East Cleveland
Richard Daniel Laskoski.....	Shamokin, Pa.
Frederic Earl Lehr, Jr.....	Mansfield
Jack Downey Liffiton.....	Lakewood
Thomas Charles Long.....	Riverside, Calif.
Ronald Mark Marshall.....	Kettering
Wayne Eugene Marshall.....	Sebring
Gerald Nelson Mauk.....	Cleveland
Melinda Lue McEntee.....	Columbus
David Cameron Mercer.....	Columbus
Bruce Barney Merrill.....	Toledo
George Charles Milligan.....	Coshocton
Kenneth Eugene Monnett.....	Buckeye Lake
Sue Ellen Moore.....	Canton
Jerry E. Morgan.....	Cincinnati
Donald Joseph Mueller.....	Columbus

Don Herman Neely.....	Newark
Monte Lee Neuhart.....	Columbus
Bruce Hjalmar Ohlson.....	Columbus
Barbara Jayne Osborne.....	Columbus
James Haines Parkinson.....	Canton
James T. Parrott.....	Richwood
David Eugene Pearson.....	Union City, Pa.
Joseph James Poplstein, Jr.....	Cleveland
Orpheus Ferdinand Quartullo, Jr.....	Cleveland Heights
William Norman Rackow (cum laude).....	Bay Village
John Ben Reeves, Jr.....	Birmingham, Ala.
Henry George Rennie.....	Columbus
Robert Jay Rosenberg.....	South Euclid
William Steven Rudner.....	Canton
Charles Dean Schaefer.....	Columbus
Gary Warren Schmaeman.....	Cleveland
David Earl Search.....	Zanesville
William Evans Simpson.....	Mansfield
Jose Fernando Sobrino.....	San Juan, Puerto Rico
Douglas Bruce Spohn.....	Columbus
Mark Scurlock Stautzenbach.....	Dayton
Larry Patrick Stephens.....	Coshocton
Dennis Dale Stevenson.....	Lorain
William Fredrick Stuve.....	Cleveland
Michael LeRoy Sweeney.....	Columbus
Robert James Titmas.....	Cleveland
Barry Alan Trattner.....	Shaker Heights
Malcolm Bissell Tucker.....	Rocky River
Donald Blythe Uldricks.....	Columbus
Robert Thomas Voll.....	Cleveland Heights
Judith Brown Washburn.....	Shelby
Douglas Morey Webster.....	Warren
Alex David Wernick.....	Fostoria
Robert William Wertz, Jr.....	Tiffin
Robert Edward White.....	Columbus
Patrick Henry Whitt.....	Columbus
Larry Blaine Wilson.....	St. Marys
Louis Edward Yanney.....	North Canton
Judith Ann Young.....	Woodsfield
Elizabeth Versenyi Zolnay (cum laude).....	Cleveland

(Ninety-one candidates)

Bachelor of Science in Social Welfare

Stephen Philip Butt (summa cum laude).....	Chillicothe
Nancy Rose Evans.....	Columbus
Josephine Lee Fordyce.....	Pataskala
Patricia McElwain Garrett.....	St. Clairsville
Erna Iole Lund.....	Westerville
Gerald Allen Soderquist.....	Chagrin Falls
Albert Marvin Tattershall.....	Cincinnati
Margaret Ann Zahn (summa cum laude).....	Lorain

(Eight candidates)

COLLEGE OF DENTISTRY

Acting Dean: JOHN R. WILSON

Doctor of Dental Surgery

Robert Forest Decker, B.S. (Otterbein College)	Bellaire
Paul Edward Milem, B.Sc.....	Ironton
Charles Thomas Schindler.....	Toledo

(Three candidates)

COLLEGE OF EDUCATION

Dean: DONALD P. COTTRELL

Bachelor of Science in Education

John Gary Allen.....	Columbus
Richard Anthony Amorose.....	Dublin
Billy Joe Armstrong.....	Washington C. H.
Jack Arnold, Jr.....	Beach City
Joan Kay Baker.....	Leipsic
Joyce Eifinger Balding.....	Newark
Carolyn Young Ballou (cum laude).....	Columbus
Caroline Adelle Barker.....	Mansfield
Winfried Barthmus.....	Plain City
Charlotte Moats Bemis.....	Bloomington
Jane Ellen Benbow.....	Chillicothe
Marie Holton Bennett.....	Columbus
Jo-Anne Jenkins Bernard.....	Madison
Mary Black.....	Zanesville
Sharon Strine Blose.....	Cardington
Carrol Edwin Blue.....	Plain City
Patricia Jo Boggs.....	Canton
Sue Ann Bolen.....	New Carlisle
Franklin Alexander Bolin.....	Zoar
Judith Albaugh Bolin.....	Dover
Robert Bradley Booth.....	Mansfield
Judith Farry Boyland.....	Mansfield
Barbara Ann Bringman.....	Upper Sandusky
Ronald Carl Burton.....	Spencer
Esther Byers.....	Rochester, N. Y.
Iris Houglan Carter.....	Wadsworth
Sue Ann Cauffield, B.A.....	Ashtabula
*Dorothy Jane Cellio.....	Columbus
Dean A. Christopher.....	Canton
Gary Ernest Coburn, B.A.....	New Boston
Nina Rosen Cohen.....	Columbus
Carole Ann Conley.....	Columbus
Sue Anne Cooper.....	Marion
William Linus Crist.....	Millersport
Shirley McCaffrey Cuckler.....	Grove City
Jean Inskeep Curry.....	Columbus
Allison Willmont Cusick.....	Bloomington
Bonnie Glueck Danson.....	Cleveland Heights
Richard Frank Davis.....	Wooster
Albert Watson Davison, Jr., A.B. (Denison University).....	Granville
Janet Lee Dean.....	Brice
Sharon Ruth DeWolfe.....	Hilliard
Raymond Eugene Dillon.....	Mansfield
Marguerite Marie Doerge.....	Jefferson
Charles Edward Dressler.....	Wadsworth
Hans Duerr (cum laude).....	Columbus
Judith Anne Durst.....	Dayton
Pauline Lichtensteiger DuVernay (cum laude).....	Ohio City
Leonard Kenneth Ebel.....	New London
Delores Downing Evans.....	Richwood

* Two degrees

Peter McDonald Ewald (cum laude).....	Columbus
Sarah Best Ezzell.....	Columbus
Sheila Elizabeth Finnigan.....	Cleveland
Sandra Souders Freeman.....	Galena
Jean Lamkin French.....	Manchester, Me.
Patricia Priest Gall.....	Leesburg
Linda Rae Garaway.....	University Heights
Diane Rae Gehl.....	Columbus
Louise Barnes Gibbs.....	Columbus
Claudia Diane Gilbert.....	Lima
Judith Malone Gire.....	North Canton
*Nancy Sarah Grayson.....	Columbus
Donna Marie Green.....	Columbus
Peggy Williamson Gregory.....	Granville
Linda Dailey Gresham.....	Hamilton
William Henry Griffin.....	Bedford
Heather Pollack Gross.....	Cleveland
Raymond Francis Grove.....	Columbus
Janet Elaine Grundey.....	Columbus
Margaret Herron Haring.....	Columbus
Charlene Harkins, B.A.....	Columbus
John Dunstan Harner.....	Springfield
Ann Freed Harter.....	Euclid
Karen Louise Henson.....	Columbus
George Monroe Hetrick.....	Orrville
Barbara Jean Hider.....	Venice, Fla.
Horace Henry Hill.....	Columbus
Mary Margaret Hoffmaster.....	Youngstown
James Robert Hollern.....	Columbus
Bonnie Lee Hope.....	Conneaut
James Earl Huffman.....	Mansfield
Gretchen Milner Hurst.....	Chagrin Falls
Theron Wesley Hysell.....	Columbus
Barbara Ann Jagger.....	Springfield
Naomi Schiller Jaynes.....	Columbus
Judith Biller Johnson.....	Tiffin
Robert Gordon Keeler.....	Columbus
Mary Katherine Kelly.....	Columbus
Robert Carl Klausing.....	Lima
Sandra Stuart Kucha.....	Granville
Mary Ann Laurisky.....	Murray City
Jane Reed Lay.....	Belle Center
Robert Charles Leahy, B.M.E. (University of Dayton).....	Tiffin
Barbara Ann Lease.....	Ashland
Arnold Simon Levine.....	Cincinnati
Tobi Ann Levine.....	Akron
William Clifford Liming.....	Galena
Cindiella Marshall Litzinger.....	Columbus
Maxine Granet Lyons.....	South Orange, N. J.
Regina Henry Main.....	Ashley
Florence Ernstes Malin.....	Columbus
William Edwin Maple.....	Medina
Peggy Jean Marstrell.....	Newcomerstown
Barbara Ruth Martin.....	Columbus
Robert Michael Maselli.....	Columbus
David Craig Mason.....	Philo

* Two degrees

Sandra Lee McIntire.....	Columbus
Pamela Ulrich McQuown.....	Ridgeway
Anne McKee Mead.....	Columbus
Wayne Joseph Miller.....	Columbia Station
Virginia Louise Moeller.....	Barberton
Carol Petty Mog.....	Dublin
Rebecca Ellen Molnar.....	Coshocton
Willa Conn Montgomery.....	Newark
Carole Ann Morrell.....	Xenia
Richard Dale Morris.....	Rocky River
Joseph Francis Mullane, Jr.....	Philadelphia, Pa.
Helen Gray Mullins.....	Columbus
Rita Harris Munster.....	Akron
William Henry Murphy, B.A. (Carleton College).....	Wyoming
Martha Louise Myers.....	Columbus
Alice Jane Neiser.....	East Liverpool
Hazel Cramer Noxon.....	Amlin
Bonnie Lee Orders.....	Westerville
Marjorie Lewis Overturf.....	Mt. Sterling
Alex Robert Papagan.....	Youngstown
Malvern Lloyd Pearce.....	Plymouth
Martin Briggs Peterson, B.Sc. in Agr.....	Frankfort
David Howard Phillips.....	Columbus
Lynne Cummings Pickering.....	Columbus
Judith Ann Polsinelli.....	Logansport, Ind.
Marjorie Louise Porteus.....	West Lafayette
Doneen Harper Poulton.....	Mansfield
Roger Franklin Pry.....	Crestline
Robert Charles Purpura.....	Portsmouth
Constance Gribble Querry.....	Barberton
James Carl Rafferty.....	Barberton
Fred Wrightson Raisbeck.....	Zanesville
Sandra Jane Rau.....	Columbus
Charles Richard Ray.....	Lore City
Sandra Ellen Reed (cum laude).....	Columbus
Jeanne Allen Reese.....	Columbus
William Douglas Reynard.....	Mt. Vernon
Jane Richards.....	Columbus
James Henry Richburg.....	Cleveland
Cheryl Marie Riester.....	Mansfield
Adrienne C. Roberts.....	Maple Heights
Lois Lee Roberts, B.Sc.....	Gallipolis
Carol Myers Robinson.....	Marysville
James Victor Rohlf.....	West Unity
Bette Lois Rossen.....	Detroit, Mich.
Angela Vance Russell (summa cum laude).....	Reynoldsburg
Judy Ruth Schwartz.....	Youngstown
Susan Teichman Shapiro.....	University Heights
Judith Elaine Siegel.....	Columbus
David Brent Sigler.....	Chillicothe
Sonya Eileen Simon.....	Findlay
Harold David Singer.....	Watertown, N.Y.
Lila Kay Smith.....	Knox, Ind.
Mary Theresa Smith.....	Columbus
Marilyn Patricia Solt.....	Columbus
Irene Thelma Sonnanstine.....	Van Wert
James Creighton Spence.....	Old Washington

Eunice Catherine Staeber, A.B. (Marietta College)	Lancaster, N.Y.
Opal Berry Stauffer	Columbus
Mary Jo Stolle	Lebanon
Ronald Lee Stults	Columbus
Adrienne Sudman	Cleveland
Walter Charles Summers (cum laude)	Cleveland
John Edgar Swarthout	Woodsfield
Richard David Swetnam	Sherman, Tex.
Linda Jane Swinford	Columbus
Ann Elizabeth Taylor	Dayton
Rebecca Isadora Temple	Columbus
Jack Anthony Thomas	Columbus
Gary Tiktin	Columbus
Diana Douglas Tomlinson	Newark
Denny Lee Tracey	Columbus
Terry Lee Tucker	Mt. Vernon
Susan Daye Turner	Columbus
Ralph Milton Utterback, Jr.	North Canton
Harold Richard Vance	Byesville
Carolyn Joyce Van Fossen	Barnesville
Karen Hilda Van Gunten	Lima
Antoinette Jane Volpe	Yorkville
William Stanley Wachunas	Alliance
Beverly Foster Wallenhurst	Bellaire
Rochelle Esther Walter	Beachwood
Ruth Anita Walter	Lima
Janet Ann Waters	Marysville
Timothy Bruce Waters	Springfield
Beverly Polen Weaver	Suffield
Bonnie Bell Webb	Columbus
Richard Weiner	Columbus
Thomas Robert White, B.Sc. in Bus. Adm.	Columbus
Sandra Lee Wiandt	Coshocton
Thomas Lloyd Wickiser	Columbus
Mary Lou Wiess	Columbus
Nancy Louise Wilbirt	Akron
Margaret Frances Wildenthaler	Galion
Nancy Leibensperger Williamson	Columbus
Minerva Adams Wilson	Groveport
Harold David Wright	Radnor
Donald George Zauderer	Columbus
Mary Beth Zeyen	Columbus
Luna Cooper Zollinger	Columbus

(Two hundred and six candidates)

Bachelor of Fine Arts

Rollett Clayton Bloom	Columbus
Janet Ellen Briggs	Dayton
Donald Craig Clarke	Columbus
Eleana Maria Haessly	Olmsted Falls
Robert Lee Irwin	Columbus
Emily Frances Juh (cum laude)	Cleveland
Dorothy McKee McMurry	Shaker Heights
Marianne Elizabeth Ogg	Columbus
Donald Scott Taylor	Columbus

(Nine candidates)

Bachelor of Music

Laurence Eben MacDonald (cum laude).....Columbus
Randolph Roth.....Lorain

(Two candidates)

**Bachelor of Science
in Occupational Therapy**

Bonnie Jo Bainbridge.....Hialeah, Fla.
Katharine Tenke Gill.....Columbus
Thea Jane Kerr.....Homeworth
Carol Jean Kinker.....Cincinnati
Polly Dee Willaman.....Columbus

(Five candidates)

COLLEGE OF ENGINEERING

Dean: HAROLD A. BOLZ

Bachelor of Aeronautical and Astronautical Engineering

James Lee Mark.....Columbus
Gary Alfred Wilhelm.....Whitehouse

(Two candidates)

Bachelor of Ceramic Engineering

Bulent Erturk Yoldas.....Yozgat, Turkey

(One candidate)

Bachelor of Chemical Engineering

Nelson William Barnhill.....Norwood
Stanley Asher Metelko.....Newark

(Two candidates)

Bachelor of Civil Engineering

Stephen Joseph Lilly.....Columbus
Robert Alven Plikerd.....Sylvania

(Two candidates)

Bachelor of Electrical Engineering

Thomas Fleming Bowers.....Solon
Wilson Earl Lehman (cum laude).....Mt. Sterling
Lawrence Evan Pierce.....Columbus
Donald Paul Tracy.....Strasburg
Lawrence Dale Wozny.....Cleveland

(Five candidates)

Bachelor of Industrial Engineering

Donald Harry Dreher.....Columbus
Rufus Albert Freeman.....Flemington, N. J.
Myron Floyd Greene.....Bellaire
David Arthur Nippert.....Columbus
Errol Clark Sambuco.....Dillonvale
Kenneth Lee Underwood.....Rocky River
Ellwood Hohmann Witt, Jr.....Willoughby

(Seven candidates)

Bachelor of Mechanical Engineering

Lawrence Vernon Hiser, Jr.....Columbus
Calvin Albert Kodres, Jr.....San Jose, Calif.
Michael James Shilhan.....Columbus

(Three candidates)

Bachelor of Engineering in Mining

Harvey Sweetland Lewis, Jr.....Valley City
* Charles Anthony Willson.....Columbus

(Two candidates)

* Two degrees

**Bachelor of Science
in Physics**

* Richard Dale Brown.....Newark
Wayne Gordon Monahan.....Martins Ferry
Frederick Lee Riffe.....Woodville
* Craig Thompson Walters.....Columbus

(Four candidates)

Bachelor of Welding Engineering

Leonard James Fetzner.....Toledo
* Joe Duane Nunnikhoven.....Burlington, Ia.

(Two candidates)

• Two degrees

COLLEGE OF MEDICINE

Dean: RICHARD L. MEILING

SCHOOL OF NURSING

Bachelor of Science in Nursing

Barbara Marie Annick.....	Ashtabula
Carol Sue Brown.....	Germantown
Florence Evelyn Brown.....	Youngstown
Janis Graham Campbell.....	Garfield Heights
Charlotte Ann Davis.....	Dayton
Rosemary Ann Gerda.....	Cleveland
Muriel Hartman Hill.....	Toledo
Janet Lorene Jenkins.....	Dayton
Shirley Ann Kirkland.....	Youngstown
Julie Metcalf Lewis.....	Polk
Maureen Ann Mattimoe.....	Swanton
Patricia Bergman Nachman.....	Columbus
Susan Ellen Pollock.....	Euclid
Lynne Beckley Roeca.....	Akron
Margaret Ann Roloson.....	Worthington
Lynda Loo Saboe.....	Columbus
Patricia Parmelee Sattler.....	Toledo
Barbara Elaine Schmittgen.....	Elyria
Donna Jean Simpson.....	Avon Lake
Sue Ritchey Singer (cum laude).....	St. Clairsville
Patricia Ellen Sloan.....	Huntsburg
Suzanne Frazier Stonerock.....	Williamsport

(Twenty-two candidates)

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
NINE HUNDRED AND EIGHTY-THIRD MEETING
OF THE BOARD OF TRUSTEES

Wooster, Ohio, September 13, 1963

The Board of Trustees met Friday, September 13, 1963, at the Ohio Agricultural Experiment Station, Wooster, Ohio, pursuant to adjournment.

Present: Thomas F. Patton, Chairman, Smith L. Rairdon, Alan B. Loop, Jacob E. Davis, Stanley C. Allyn, John W. Bricker, and Carlton S. Dargusch.

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The minutes of the last meeting were approved.

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President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Establishment of a College of Science and Engineering at The Dayton Campus of Miami University and The Ohio State University

The Faculty Council at a special meeting on July 26, 1963 approved the proposal that The Ohio State University establish a College of Science and Engineering at The Dayton Campus of Miami University and The Ohio State University in accordance with a "Memorandum of Understanding on Academic Activities in Dayton." The said Memorandum of Understanding was developed by the Presidents of the two Universities by authority of the Board of Trustees of both Universities, and it sets forth the division of responsibilities in the development and operation of the curricula and instructional programs for the respective Universities. The Council on Instruction of The Ohio State University, after a review of the Memorandum, recommended to the Faculty Council that the proposal to establish a College of Science and Engineering in Dayton be approved. Further, the said Memorandum officially identifies the area jointly utilized by the two Universities as "The Dayton Campus of Miami University and The Ohio State University."

It is therefore recommended that the Board of Trustees approve the "Memorandum of Understanding on Academic Activities in Dayton" and the establishment of a College of Science and Engineering at Dayton to be administered by The Ohio State University.

Upon motion of Mr. Davis, seconded by Mr. Bricker, the Board of Trustees by unanimous roll call vote approved the "Memorandum of Understanding on Academic Activities in Dayton" and the establishment of a College of Science and Engineering of The Ohio State University at The Dayton Campus of Miami University and The Ohio State University. The Secretary was instructed to file a copy of the said Memorandum with the official records of the Board of Trustees.

B. Revision of Rules 35.07 and 37.05 - Rules for the University Faculty

The Faculty Council on August 20, 1963 approved the following revisions in Rules for the University Faculty:

1. Revision of Rule relating to Em (proficiency) credit, effective Autumn Quarter 1963.
 - a. That in Rule 35.07, the word "thirty" in the third sentence of Section 1 of the Em paragraphs be deleted and the word "forty-five" be inserted in place thereof.
 - b. That in Rule 35.07, the last sentence of Section 1 of the Em paragraphs be deleted and the following sentence be inserted in place thereof:

Additional examination quarter credit hours may be assigned in the same manner but only with the prior approval of the Faculty Council.

I. GENERAL RECOMMENDATIONS (continued)

B. Revision of Rules 35.07 and 37.05 - Rules for the University Faculty (continued)

2. Revision of marks for the College of Medicine.

- a. That Rule 35.07 be amended by adding an H at the appropriate alphabetical place in the first sentence of that Rule.
- b. That Rule 35.07 be amended by adding the following paragraph immediately following the paragraph discussing the mark of E:

H--Honors. This mark shall be used only by the College of Medicine for a student enrolled in the curriculum leading to the degree, Doctor of Medicine, when that student has completed a course in that curriculum with an exceptionally high degree of academic performance. H credit shall be counted as hours only and shall not be considered in determining a student's point-hour ratio under Rule 37.05.

- c. That in Rule 35.07, the S--Satisfactory paragraph be amended to read as follows:

S--Satisfactory. This mark shall be used as a final mark only for (a) a graduate student who has completed satisfactorily his thesis or dissertation research, (b) a graduate student who has completed satisfactorily a special problem or minor problem course in which the instructor works directly with the individual graduate student, and (c) a student enrolled in the College of Medicine in a curriculum leading to the degree, Doctor of Medicine, when that student has completed satisfactorily a course in that curriculum. A student who would be entitled to the mark of S if he had completed his work satisfactorily but who does not complete his work satisfactorily shall receive the mark of E. S credit shall be counted as hours only and shall not be considered in determining a student's point-hour ratio under Rule 37.05.

- d. That Rule 37.05 be amended by adding the following paragraph immediately following Section 2 of Rule 37.05:

September 13, 1963 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

B. Revision of Rules 35.07 and 37.05 - Rules for the University Faculty (continued)

Section 3. No College of Medicine point-hour average shall be computed for a student enrolled in the College of Medicine in a curriculum leading to the degree, Doctor of Medicine, when that student has received only the marks of H, S, or E in the College of Medicine.

- e. That these amendments relating to the marks for the College of Medicine become effective beginning with the Summer Quarter 1964 for all students enrolled in the College of Medicine except that they become effective at the beginning of the Autumn Quarter 1963 for the freshman class entering at that time.

It is therefore recommended that this action of the Faculty Council be approved.

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the Board of Trustees by unanimous roll call vote approved the above recommendations, and the Secretary was authorized to revise Rules 35.07 and 37.05 of Rules for the University Faculty accordingly.

C. Honorary Degree

The Board of Trustees on June 14, 1963 approved the recommendation initiated by the Faculty Committee on Honorary Degrees, that the honorary degree, Doctor of Humane Letters, be conferred on Clarence Dewey Laylin.

The Faculty Council on August 20, 1963 approved the proposal of the Committee on Honorary Degrees that the honorary degree, Doctor of Laws, be conferred on Mr. Laylin instead of the honorary degree, Doctor of Humane Letters.

It is therefore recommended that the Board of Trustees approve the above change in honorary degree to be awarded to CLARENCE DEWEY LAYLIN.

Upon motion of Mr. Allyn, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

D. Naming of Ancillary Facilities of the College of Medicine

Upon the recommendation of Dr. Richard L. Meiling, Dean, College of Medicine, and the Administrative Committee of that College, and with the concurrence of Mr. Frederick Stecker, Executive Director, University Relations, it is proposed that:

I. GENERAL RECOMMENDATIONS (continued)

D. Naming of Ancillary Facilities of the College of Medicine (continued)

1. The facility located at 473 West 12th Avenue be named "Upham Hall" in memory of the late Dean John H. J. Upham of the College of Medicine. Dr. Upham was first associated with the College upon its formation in 1914, and he served as Dean from 1928 until his retirement in 1941. He died in 1960.
2. The facility located at 472 West Eighth Avenue be named "Dodd Hall" in memory of Dr. Verne A. Dodd, who joined the staff of the College of Medicine at the time of its formation in 1914. He was appointed Chairman of the Department of Surgery in 1921 and Chief of Staff of University Hospital in 1922, serving with distinction in both capacities until his retirement in 1947. Dr. Dodd died in 1957.
3. The facility located at 400 West 12th Avenue be named "Wiseman Hall" in memory of Dr. Bruce K. Wiseman, who joined the staff of the College of Medicine in 1930 and served as Chairman of the Department of Medicine from 1944 until his death in 1960.
4. The term "The Ohio State University Hospitals" include the facilities named above, the University Hospital and Starling Loving Hall.

These recommendations have the concurrence of the President's Cabinet and are in accordance with the By-Laws of the Board of Trustees. They are hereby recommended for approval by the Board of Trustees.

Upon motion of Mr. Rairdon, seconded by Mr. Davis, the Board of Trustees by unanimous roll call vote approved the naming of the ancillary facilities of the College of Medicine indicated above.

E. Establishment of Two "Named Chairs" in the College of Medicine--"The Charles Austin Doan Chair of Medicine" and "The Robert M. Zollinger Chair of Surgery"

The Dean of the College of Medicine has proposed and the President's Cabinet concurs that the following two "named chairs" be established with the understanding that each chair will be activated when the income from the principal funds designated to support each chair is in sufficient amount in the opinion of the President to provide an adequate salary for the appointment of a distinguished scholar. It is therefore recommended that:

1. "The Charles Austin Doan Chair of Medicine" be established in the Department of Medicine to enhance graduate research and teaching but not limited thereto.
2. "The Robert M. Zollinger Chair of Surgery" be established in the Department of Surgery to enhance graduate research and teaching but not limited thereto.

I. GENERAL RECOMMENDATIONS (continued)

E. Establishment of Two "Named Chairs" in the College of Medicine--"The Charles Austin Doan Chair of Medicine" and "The Robert M. Zollinger Chair of Surgery" (continued)

The income from designated gifts and bequests is of sufficient amount to anticipate the early activation of the above named chairs. The Dean of the College of Medicine is engaged in a program of solicitation of additional funds for support of these chairs in order that they might be activated in the near future.

Upon motion of Mr. Allyn, seconded by Mr. Bricker, the Board of Trustees by unanimous roll call vote approved the establishment of "The Charles Austin Doan Chair of Medicine" and "The Robert M. Zollinger Chair of Surgery."

F. Motor Vehicle, Traffic and Parking Regulations, The Ohio State University

The Commission on Traffic and Parking has been advised by the Office of The Attorney General of Ohio to formalize the code of Motor Vehicle regulations and file such regulations with the Secretary of State. The regulations have been revised and amended to comply with the aforementioned legal advice as well as to incorporate recommendations of the Commission on Traffic and Parking therein.

NOW BE IT RESOLVED that the Motor Vehicle, Traffic and Parking Regulations identified as Exhibit A be, and they hereby are, adopted as the Rules of The Board of Trustees of The Ohio State University regulating and controlling the use of motor vehicles on the land and property of The Ohio State University located in the City of Columbus, County of Franklin, and State of Ohio, and

BE IT FURTHER RESOLVED that the rules and regulations of the Commission on Traffic and Parking in interpretation of and pursuant to the authority contained in the aforesaid Motor Vehicle, Traffic and Parking Regulations and contained in the three pamphlets and maps, entitled, respectively, "Faculty and Staff - Motor Vehicle Regulations," "Student Motor Vehicle Regulations," and "Visitors - Motor Vehicle Regulations," which are attached hereto and made a part hereof are approved and made a part of the said Motor Vehicle, Traffic and Parking Regulations of The Ohio State University, and

BE IT FURTHER RESOLVED that the Secretary of the Board of Trustees of The Ohio State University is hereby authorized and directed to file this resolution as the Motor Vehicle, Traffic and Parking Regulations of The Ohio State University as promulgated by the Board of Trustees of The Ohio State University with the Secretary of State of Ohio and to do and file such other and further papers and documents as may be necessary and proper to comply with Ohio Revised Code, Section 111.15, and to make these regulations binding and in force according to law.

Upon motion of Mr. Davis, seconded by Mr. Loop, the above resolution was unanimously approved by roll call vote, and the Secretary was instructed to file a copy of "Motor Vehicle, Traffic and Parking Regulations, The Ohio State University" with the official records of the Board of Trustees.

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II. PERSONNEL CHANGES

It is recommended that all personnel changes since the July 12, 1963 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Promotions in Administrative Positions, Appointments, Leaves of Absence With Salary, Leaves of Absence Without Salary, and Emeritus Titles:

A. Promotions in Administrative Positions

Richard H. Armitage from Associate Dean to Dean of the Graduate School, effective September 1, 1963, at a salary of \$18,972.00 per annum.

Austin E. Ritchie from Assistant Dean and Secretary of the College of Agriculture and Home Economics to Acting Executive Dean for Special Services, effective September 15, 1963, at a salary of \$14,976.00 per annum.

Kenneth L. Bader from Assistant Professor, Department of Agronomy, to Acting Assistant Dean and Secretary of the College of Agriculture and Home Economics, effective September 15, 1963, at a salary of \$11,268.00 per annum.

George E. Briggs from Professor, Department of Psychology, to Associate to Vice President for Research (half time) and Professor of Psychology (half time), effective August 1, 1963, at a total salary of \$16,380.00 per annum.

Edwin L. Kirby from Professor and Assistant Director to Professor and Acting Director, Agricultural Extension Service, effective October 1, 1963, at a salary of \$15,768.00 per annum.

Carroll L. Shartle from Professor, Department of Psychology, to Assistant Dean and Director of the Division of Research (part time - 75%), College of Commerce and Administration, and Professor (part time - 25%), Department of Psychology, effective January 1, 1964, at a total salary of \$20,472.00 per annum.

James C. Yocum from Professor and Associate Director to Professor and Director, Bureau of Business Research, effective October 1, 1963, at a salary of \$15,972.00 per annum.

Paul G. Craig from Professor to Professor and Chairman, Department of Economics, effective October 1, 1963, at a salary of \$17,676.00 per annum.

Leon I. Twarog from Professor and Chairman, Department of Slavic Languages and Literatures, to Associate Dean (half time), College of Arts and Sciences, and Professor and Chairman (half time), Department of Slavic Languages and Literatures, effective October 1, 1963, at a total salary of \$18,468.00 per annum.

September 13, 1963 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

B. Appointments

Bruce D. Graham, Professor and Chairman, Department of Pediatrics, effective January 1, 1964, at a salary of \$24,168.00 per annum.

Noland L. VanDemark, Professor and Chairman, Department of Dairy Science, effective February 1, 1964, at a salary of \$13,044.00 per annum. Dr. VanDemark will also receive \$1,500.00 from the Cooperative Extension Service, and he will be employed concurrently at the Ohio Agricultural Experiment Station at a salary of \$3,324.00 per annum.

C. Leaves of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 12, 1954, the following-named persons are recommended for Leaves of Absence With Salary from the Agricultural Extension Service for the period indicated:

Gordon J. Ryder, Associate Professor (Extension Agronomist), September 1, 1963 through February 29, 1964, to study at the University of California, Davis, California.

Russell W. Smith, Assistant Professor (Supervisor, 4-H Club Work), October 1, 1963 through March 31, 1964, to study at Columbia University (Teachers College).

Samuel W. Bone, Instructor (Extension Agronomist), October 1, 1963 through December 15, 1963, to study at The Ohio State University.

John E. Craine, Instructor (County Extension Agent, Agriculture) Greene County, October 1, 1963 through December 15, 1963, to study at The Ohio State University.

Donald J. Gehres, Instructor (County Extension Agent, Agriculture) Washington County, October 1, 1963 through December 15, 1963, to study at The Ohio State University.

William R. Schnug, Instructor (Extension Agricultural Engineer), October 1, 1963 through December 15, 1963, to study at The Ohio State University.

William P. Smith, Instructor (County Extension Agent, Agriculture) Gallia County, October 1, 1963 through March 15, 1964, to study at The Ohio State University.

D. Leaves of Absence Without Salary

Brewton Berry, Professor, Sociology and Anthropology, October 1, 1963 through December 31, 1963, to complete the revision of a book.

II. PERSONNEL CHANGES (continued)

D. Leaves of Absence Without Salary (continued)

Leo A. Sapirstein, Professor, Physiology, October 1, 1963 through September 30, 1964, to continue research.

Daniel O. Fletcher, Associate Professor, Economics, October 1, 1963 through September 30, 1964, to do research work in Washington, D. C.

Homer K. Geiger, Associate Professor, Sociology and Anthropology, October 1, 1963 through September 30, 1964, to accept a Visiting Associate Professorship at the University of California, Berkeley, California.

John Gersten, Associate Professor, Anatomy, October 1, 1963 through September 30, 1964, due to ill health.

Reva L. Messier, Assistant Professor (part time - 51%), School of Home Economics, October 1, 1963 through September 30, 1964, due to ill health.

Bobbie D. Davis, Instructor (County Extension Agent, 4-H), Agricultural Extension Service, September 1, 1963 through February 29, 1964, to study at the University of Maryland.

Don L. Davis, Instructor (County Extension Agent, 4-H), October 1, 1963 through September 30, 1964, to study at The Ohio State University.

Kenneth A. Harkness, Instructor (part time - 80%), Agricultural Engineering, October 1, 1963 through September 30, 1964, to study for the Ph.D. degree at The Ohio State University.

Donald E. Kimmet, Instructor (County Extension Agent, 4-H), Agricultural Extension Service, September 1, 1963 through December 31, 1963, to study at The Ohio State University.

E. Emeritus Titles

Ruth Streitz, Education, with the title Professor Emeritus, effective August 1, 1963. (Corrected from October 1, 1963 as reported May 17, 1963.)

Robert O. Chadeayne, School of Art, with the title Associate Professor Emeritus, effective September 1, 1963. (Corrected from October 1, 1963 as reported June 14, 1963.)

Ethel M. Leazenbee, School of Nursing, with the title Associate Professor Emeritus, effective October 1, 1963.

September 13, 1963 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

E. Emeritus Titles (continued)

Royall H. Snow, English, with the title Associate Professor
Emeritus, effective September 1, 1963.

Upon motion of Mr. Davis, seconded by Mr. Allyn, the Promotions in Administrative Positions, Appointments, Leaves of Absence With Salary, Leaves of Absence Without Salary, Emeritus Titles, and the personnel changes recorded in the official "Salary Roll" of the University were approved by roll call vote with Mr. Dargusch not voting, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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III. GENERAL CONTRACTS AND AGREEMENTS

A. The Ohio State University and
The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

1. Government Contracts - Federal

- a. Headquarters, U. S. Army Armor Center, Central Purchasing and Contracting Division, Fort Knox, Kentucky, for Research and Scientific Studies for the Combat Development Program (to be known as the U. S. Army Armor Center Project No. 573 - Mod. #20 - Engineering Experiment Station).
Gross Value - \$62,000.00.
- b. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for A Phytochemical Search for Medicinal Constituents (to be known as National Institutes of Health Project No. 865 - Ext. #5 - College of Pharmacy).
Gross Value - \$20,640.00.
- c. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Physical-Chemical Studies of Muscle (to be known as National Institutes of Health Project No. 874 - Ext. #5 - Department of Physiology).
Gross Value - \$15,408.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- d. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Hemopoiesis: A Histochemical and Cytological Study (to be known as National Institutes of Health Project No. 893 - Sup. #1 - Department of Anatomy).
Gross Value - \$14,327.00.
- e. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Intermittent Research Analysis (to be known as Aeronautical Systems Division Project No. 930 - Sup. #13 and Sup. #14 - RF Internal Supervision).
Gross Value - \$92,695.00.
- f. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Fractionation Studies on Nondialyzable Materials of Human Urine (to be known as National Institutes of Health Project No. 1023 - Ext. #4 - Department of Physiological Chemistry and Pharmacology).
Gross Value - \$12,018.00.
- g. Headquarters, Rome Air Development Center, AFSC, Griffiss Air Force Base, New York, for (U) Absorption of Electromagnetic Energy by Nose Cones (to be known as Rome Air Development Center Project No. 1107 - Mod. #6 - Department of Electrical Engineering).
Gross Value - \$38,486.40.
- h. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Electron Microscopy of Cervical Carcinogenesis (to be known as National Institutes of Health Project No. 1159 - Ext. #3 - Department of Pathology).
Gross Value - \$11,820.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of the Effect of Parathyroid Hormone on Pancreatitis in Experimental Animals (to be known as National Institutes of Health Project No. 1171 - Ext. #3 - Department of Surgery).
Gross Value - \$15,183.00.

September 13, 1963 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- j. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Effects of Bone-conducted Sidetone in Stuttering (to be known as National Institutes of Health Project No. 1350 - Ext. #2 - Department of Speech).
Gross Value - \$19,017.00.
- k. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research Associated with Hypersonic Aerothermodynamic Simulation (to be known as Aeronautical Systems Division Project No. 1413 - Mod. #3 - Department of Aeronautical and Astronautical Engineering).
Gross Value - \$74,473.00.
- l. Department of Health, Education and Welfare, Public Health Service, Bureau of State Services, Washington 25, D. C., for an Investigation of Man-Machine Compatibility in Very Low Altitude Flight (to be known as Bureau of State Services Project No. 1454 - Sup. #1 - Engineering Experiment Station).
Gross Value - \$6,150.00.
- m. U. S. Army Materiel Command, Harry Diamond Laboratories, Washington 25, D. C., for an Investigation of Semiconductor Properties Affected by Acceleration (to be known as Harry Diamond Laboratories Project No. 1471 - Mod. #6 - Department of Electrical Engineering).
Gross Value - \$9,999.00.
- n. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Oxidative Synthesis of Complex Isoquinoline Alkaloids (to be known as National Institutes of Health Project No. 1515 - Ext. #1 - Department of Chemistry).
Gross Value - \$12,201.00.
- o. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Chemical Studies of Stimulated Retina (to be known as National Institutes of Health Project No. 1575 - Sup. #1 - Institute for Research in Vision).
Gross Value - \$9,779.00.
- p. Air Force Institute of Technology, Air University, United States Air Force, Wright-Patterson Air Force Base, Ohio, for Teaching Services for Air Force Military Personnel at Ellsworth Air Force Base, South Dakota (to be known as Air Force Institute of Technology Project No. 1600 - C. O. #2 - Defense Management Center).
Gross Value - \$150,000.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- q. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for General Research Support Program (to be known as National Institutes of Health Project No. 1611 - Rev. Award of 6/13/63 - College of Dentistry).
Gross Value - \$3,956.00.
- r. Electronic Systems Division, AFSC, Laurence G. Hanscom Field, Bedford, Massachusetts, to Perform Research on the High Resolution Infrared Spectroscopy of Molecules (to be known as Electronic Systems Division Project No. 1619 - Sup. #2 - Department of Physics).
Gross Value - \$20,000.00.
- s. U. S. Army Research Office (Durham), Box CM, Duke Station, Durham, North Carolina, for an Investigation of 4237-C - Synthesis and Properties of Naphtho- and Phenanthraquinones (to be known as U. S. Army Research Office (Durham) Project No. 1667 - New - Department of Chemistry).
Gross Value - \$17,513.00.
- t. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research on Human Information Processing and Decision Making Behavior (to be known as Aeronautical Systems Division Project No. 1674 - New - Department of Psychology).
Gross Value - \$108,958.00.
- u. Classified Program (to be known as Classified Program Project No. 1675 - New - Department of Electrical Engineering).
Gross Value - \$100,000.00.
- v. U. S. Army Research Office (Durham), Box CM, Duke Station, Durham, North Carolina, for an Investigation of 2929-MC - Strength of Structural Ceramics Under Impact Loading (to be known as U. S. Army Research Office (Durham) Project No. 1681 - New - Department of Ceramic Engineering).
Gross Value - \$18,108.00.
- w. Department of Health, Education and Welfare, Office of Education, Washington 25, D. C., for The Development of Packaged Programs Designed to Enable Groups of Teachers to Carry on Their Own In-Service Audiovisual Instructional Programs (to be known as Office of Education Project No. 1683 - New - Bureau of Educational Research and Service).
Gross Value - \$37,686.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and

The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- x. U. S. Army Biological Laboratories, Fort Detrick, Frederick, Maryland, for Investigations of the Nutritional Requirements for the Growth of Insect Tissues (to be known as U. S. Army Biological Laboratories Project No. 1684 - New - Department of Zoology and Entomology).
Gross Value - \$9,000.00.
- y. National Science Foundation, Washington 25, D. C., for Research on Syntactic Analysis (to be known as National Science Foundation Project No. 1685 - New - Department of English).
Gross Value - \$100,000.00.
- z. National Science Foundation, Washington 25, D. C., for an Investigation of Mixing in Ergodic Theory (to be known as National Science Foundation Project No. 1686 - New - Department of Mathematics).
Gross Value - \$12,900.00.
- aa. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Response of Splenectomized Monkeys to Infection (to be known as National Institutes of Health Project No. 1687 - New - Department of Medicine and Department of Microbiology).
Gross Value - \$28,809.00.
- bb. Department of Health, Education and Welfare, Vocational Rehabilitation Administration, Washington 25, D. C., for an Investigation of Perception of Altered Acoustic Stimuli by the Deaf (to be known as Vocational Rehabilitation Administration Project No. 1688 - New - Department of Speech).
Gross Value - \$17,477.00.
- cc. U. S. Department of Agriculture, Agriculture Research Service, Eastern Utilization Research and Development Division, 600 East Mermaid Lane, Philadelphia 18, Pennsylvania, for an Investigation of the Calcium-Phosphate System of Milk (to be known as U. S. Department of Agriculture Project No. 1690 - New - Department of Chemistry).
Gross Value - \$84,133.00.
- dd. National Aeronautics and Space Administration, Washington 25, D. C., for an Investigation of Spacecraft Antenna Problems (to be known as National Aeronautics and Space Administration Project No. 1691 - New - Department of Electrical Engineering).
Gross Value - \$44,830.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- ee. U. S. Naval Air Development Center, Johnsville, Pennsylvania, for an Investigation of Airborne Volumetric Scanning Antennas (to be known as U. S. Naval Air Development Center Project No. 1693 - New - Department of Electrical Engineering).
Gross Value - \$66,172.00.
- ff. National Science Foundation, Washington 25, D. C., for an Investigation of Biosystematics of Silphium Composition Michx (to be known as National Science Foundation Project No. 1696 - New - Department of Botany and Plant Pathology).
Gross Value - \$8,700.00.
- gg. National Science Foundation, Washington 25, D. C., for an Investigation of Hyperbolic Parabolic Shells (to be known as National Science Foundation Project No. 1699 - New - Department of Engineering Mechanics).
Gross Value - \$18,400.00.
- hh. Department of Health, Education and Welfare, Bureau of State Service, Washington 25, D. C., for an Investigation of Multiple Isoenzyme Characterization of Serum, Organs (to be known as Bureau of State Service Project No. 1700 - New - Departments of Preventive Medicine and Pathology).
Gross Value - \$43,333.00.
- ii. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, Pacemaker for Human Neurogenic Bladder (to be known as National Institutes of Health Project No. 1702 - New - Department of Surgery).
Gross Value - \$46,128.00.

TOTAL - Government Contracts - Federal \$1,350,299.40

2. Industrial and Other Contracts

- a. Alloy Casting Institute, 300 Madison Avenue, New York City, New York, for an Investigation of Cast Corrosion Resistant Alloys (to be known as Alloy Casting Institute Project No. 350 - Amend. #15 - Engineering Experiment Station).
Gross Value - \$13,000.00.
- b. University of Illinois, Business Office, Purchasing Department, 203 Administration Building, Urbana, Illinois, for Transmission of Pulsed Radio Signals at 6.4MC/S (to be known as University of Illinois Project No. 473 - Mod. #35 - Department of Electrical Engineering).
Gross Value - \$1,350.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- c. Illuminating Engineering Research Institute, 1860 Broadway, New York 23, New York, for Studies of the Illumination Requirements for Roadway Visual Tasks (to be known as Illuminating Engineering Research Institute Project No. 872 - Sup. #6 - Institute for Research in Vision).
Gross Value - \$2,500.00.
- d. Illuminating Engineering Research Institute, 1860 Broadway, New York 23, New York, for Studies of Visual Performance and Illumination (to be known as Illuminating Engineering Research Institute Project No. 885 - Ext. #6 - Institute for Research in Vision).
Gross Value - \$21,500.00.
- e. The Goodyear Tire & Rubber Company, 1144 East Market Street, Akron 16, Ohio, for an Investigation of Synthesis of Isoprene (to be known as The Goodyear Tire & Rubber Company Project No. 1118 - Ext. #3 - Department of Chemistry).
Gross Value - \$6,000.00.
- f. A. H. Robins Company, Inc., 1407 Cummings Drive, Richmond 20, Virginia, for Isolation of Active Constituents of Certain Plants with Reputed Medicinal Value (to be known as A. H. Robins Company, Inc. Project No. 1209 - Ext. #3 - College of Pharmacy).
Gross Value - \$3,600.00.
- g. The Petroleum Research Fund, American Chemical Society, 1155 - 16th Street, N. W., Washington 6, D. C., for an Investigation of Charge Distribution in Molecules (to be known as The Petroleum Research Fund Project No. 1282 - Ext. #1 - Department of Chemistry).
Gross Value - \$14,000.00.
- h. The Midwest Program on Airborne Television Instruction, Memorial Center, Purdue University, Lafayette, Indiana, for Research and Evaluation on MPATI Telecasts, 1961-1962 (to be known as The Midwest Program on Airborne Television Instruction Project No. 1367 - Ltr. dated 5/28/63 - Bureau of Educational Research and Service).
Gross Value - \$8,000.00.
- i. The Regents of the University of Wisconsin, Madison 6, Wisconsin, for Drug Evaluation Program of the CCNSC in the Central Region, USA (to be known as The Regents of the University of Wisconsin Project No. 1395 - Voucher #98961 - Department of Surgery).
Gross Value - \$1,570.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- j. The Petroleum Research Fund, American Chemical Society, 1155 - 16th Street, N. W., Washington 6, D. C., for an Investigation of Clay-Organic Complexes (to be known as The Petroleum Research Fund Project No. 1478 - Ltr. dated 6/27/63 - Department of Mineralogy).
Gross Value - \$960.00.
- k. The National Foundation, 800 Second Avenue, New York 17, New York, for Birth Defects Clinical Study Center (to be known as The National Foundation Project No. 1481 - Ltr. dated 6/24/63 - Children's Hospital).
Gross Value - \$25,000.00.
- l. Systems Research Laboratories, Inc., 500 Woods Drive, Dayton 32, Ohio, for an Investigation of Low-Voltage Electron Gun Assemblies (to be known as Systems Research Laboratories, Inc. Project No. 1689 - New - Department of Electrical Engineering).
Gross Value - \$6,700.00.
- m. American Heart Association, Inc., 44 East 23rd Street, New York 10, New York, for Heart Research (to be known as American Heart Association, Inc. Project No. 1694 - New - Department of Physiology).
Gross Value - \$1,000.00.
- n. Paint Research Institute, 2104 Douglass Boulevard, Louisville 5, Kentucky, for an Investigation of New Phenolic Intermediates (to be known as Paint Research Institute Project No. 1695 - New - Department of Chemical Engineering).
Gross Value - \$6,228.00.
- o. American Cancer Society, Inc., 521 West 57th Street, New York 19, New York, for The Identification of Malignant Cells in the Peripheral Blood (to be known as American Cancer Society, Inc. Project No. 1698 - New - Department of Pathology).
Gross Value - \$73,297.00.
- p. Arctic Institute of North America, Inc., 1530 P Street, N. W., Washington 5, D. C., for Sukkertoppen Ice Cap Studies (to be known as Arctic Institute of North America, Inc. Project No. 1701 - New - Institute of Polar Studies).
Gross Value - \$8,000.00.

TOTAL - Industrial and Other Contracts \$192,705.00

September 13, 1963 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

The foregoing fifty-one contracts for research in cooperation with Government, Industry and Other represent a gross income of \$1,543,004.40.

Upon motion of Mr. Bricker, seconded by Mr. Rairdon, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were unanimously approved.

B. The Report of the Research Contracts
from the Engineering Experiment Station

During the period from July 1, 1963 through August 30, 1963, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record.

1. Government Research Contracts

EES 196	Terrain Investigation Techniques for Highway Engineers, Ohio Department of Highways, Columbus, Ohio, Bureau of Public Roads, Washington, D. C. Gross Value - \$71,232.00.
EES 235	A Study of Structural Evaluation of Flexible Pavements, Ohio Department of Highways, Columbus, Ohio, Bureau of Public Roads, Washington, D. C. Gross Value - \$72,480.00.
EES 236	Comparative Studies on Corrugated Metal Culvert Pipes, Ohio Department of Highways, Columbus, Ohio, Bureau of Public Roads, Washington, D. C. Gross Value - \$15,636.00.

TOTAL - Government Research Contracts \$159,348.00

2. Industrial Research Contracts

EES 204 Ext. #3	A Study of Hydrostatic Oil Bearings, The Gleason Works, Rochester, New York. (Extension of time only)
EES 232	A Study of V-Belts, Dayco Corporation, Belt Engineering Department, Springfield, Missouri. Gross Value - \$3,464.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts
from the Engineering Experiment Station

2. Industrial Research Contracts (continued)

EES 234 Forced Convection Frosting of Finned Coils in Cross-
 flow of Air, American Society of Heating, Refrigerating
 and Air Conditioning Engineers, Inc., United Engineer-
 ing Center, New York 17, New York.
 Gross Value - \$3,504.00.

TOTAL - Industrial Research Contracts \$6,968.00

The foregoing six contracts for research in the Engineering Experiment Station represent a gross income of \$166,316.00.

C. Agreement Between the College of Medicine of
The Ohio State University and Mount Carmel
Hospital for an Affiliate Teaching Program

To enhance the instructional program for medical students, the Dean of the College of Medicine has proposed that an agreement be executed between the Mount Carmel Hospital and the College of Medicine of The Ohio State University, whereby medical students in their clinical years will be given an opportunity to gain experiences in the care and treatment of patients at Mount Carmel Hospital. Thus, the professional staff of Mount Carmel Hospital will collaborate in the teaching of The Ohio State University medical students in a private hospital. Should such an agreement be approved, it is expected that beginning Autumn Quarter 1963 a selected number of junior students of the College of Medicine would spend a portion of their time at Mount Carmel Hospital. The students would be rotated so that eventually the entire class would have an opportunity to share in this learning experience.

The Lay Advisory Board of Mount Carmel Hospital has indicated its willingness to participate in an affiliate teaching program and it is therefore recommended that the President be authorized to sign such an agreement on behalf of the University with the understanding that there is no financial obligation on the part of the University.

Upon motion of Mr. Loop, seconded by Mr. Dargusch, the Board of Trustees by unanimous roll call vote authorized the President to sign an agreement between the College of Medicine of The Ohio State University and Mount Carmel Hospital for an affiliate teaching program.

D. Agreement Between The Ohio State University and the
Agency for International Development for Technical
Assistance to the Government of Guinea

The Ohio State University through its College of Commerce and Administration has been invited to provide technical advice and professional assistance to the Government of Guinea as a part of the foreign assistance program administered by the Agency for International Development (AID) of the United States Department of State.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

D. Agreement Between The Ohio State University and the Agency for International Development for Technical Assistance to the Government of Guinea (continued)

Briefly, this request is for The Ohio State University to provide three persons to give technical advice and assistance by providing consultation and instruction for Government of Guinea personnel including the development of on-the-job-training programs in such areas as: requirements determination, source selections, procurement, contract administration, ocean transportation, export-import procedures, materials handling, and warehouse management.

The Agency for International Development has proposed a contract which will become effective on the date of execution continuing through August 31, 1966. The total value of the contract proposed is \$467,748.00. The Dean of the College of Commerce and Administration has proposed that such a contract be negotiated subject to the availability of qualified personnel, and it is therefore recommended that the President be authorized to sign a contract on behalf of The Ohio State University in which the University agrees to assist in performing the services indicated above with the understanding that all costs for this program are to be covered by funds from the Agency for International Development.

Upon motion of Mr. Bricker, seconded by Mr. Rairdon, the Board of Trustees by unanimous roll call vote authorized the President to sign the contract between The Ohio State University and AID for technical assistance to the Government of Guinea.

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IV. GRANTS AND GIFTS

The following grants and gifts to the University, including the establishment of a scholarship fund, are hereby reported for the record and appropriate expressions of appreciation have been conveyed.

A. Administered Through the Office of Business and Finance

1. \$166,692.00 granted by the Federal Aviation Agency to the University under terms of the Federal Airport Act for the airport development at The Ohio State University, Columbus, Ohio. (Grant EA-660)
2. \$43,020.00 granted by the Department of Health, Education and Welfare, Office of Vocational Rehabilitation, Washington 25, D. C., to the University for a "Teaching Grant and Traineeships in Speech Pathology and Audiology," under the direction of Dr. Bernard B. Schlanger, Department of Speech, for the period September 1, 1963 through August 31, 1964. (Grant VRA 222-T-64)

September 13, 1963 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

3. \$30,753.00 granted by the U. S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Undergraduate Training in Psychiatry," under the direction of Dr. Ralph M. Patterson, Department of Psychiatry, for the period September 1, 1963 through August 31, 1964. (Grant 5 T2 MH-5924-13 - Formerly: 2M-5924-C12)
4. \$25,000.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Cancer Training," under the direction of Dr. Emmerich von Haam, Department of Pathology, for the period September 1, 1963 through August 31, 1964. (Grant T2 CA 469-17)
5. \$20,607.00 granted by the Department of Health, Education and Welfare, Office of Vocational Rehabilitation, Washington 25, D. C., to the University for "Teaching and Traineeship Grant in Physical Therapy," under the direction of Miss Gladys B. Woods, for the period September 1, 1963 through August 31, 1964. (Grant VRA 209-T-64)
6. \$11,490.00 granted by the Department of Health, Education and Welfare, Public Health Service, Bureau of State Services, Division of Community Health Services, Washington 25, D. C., to the University for "Traineeship Grant for the School of Nursing," under the direction of Frances M. Pease, School of Nursing, for the period July 1, 1963 through June 30, 1964. (Grant 64-534)
7. \$7,470.00 granted by the Department of Health, Education and Welfare, Office of Vocational Rehabilitation, Washington 25, D. C., to the University for "Traineeships in the Field of Occupational Therapy," under the direction of Miss Barbara Locher, Department of Occupational Therapy, for the period September 1, 1963 through August 31, 1964. (Grant VRA 176-T-64)

TOTAL - Through the Office of Business and Finance \$305,032.00

B. Received Through the Development Fund

1. \$18,900.00 from the Trust under the Will of Anna Roessler--
\$9,550.00 for scholarships in medicine and \$9,350.00 for scholarships.
2. \$12,500.00 from the American Chemical Society for petroleum research.
3. \$10,000.00 from the Ohio Lions Eye Research Foundation for research.
4. \$8,400.00 from The International Nickel Company, Inc. for a fellowship.
5. \$8,130.00 from The Charles F. High Foundation for scholarships.

September 13, 1963 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

6. \$7,820.00 from Owens-Illinois Glass Company for scholarships.
7. \$6,000.00 from United States Steel Foundation, Inc. for a two-year graduate study fellowship in Mechanical Engineering.
8. \$5,224.09 from Ralph T. Lewis--\$5,000.00 for The Ralph T. Lewis Marion Branch Scholarship Fund and \$224.09 for Alumni Endowment Fund.

The Ralph T. Lewis Marion Branch Scholarship Fund

The Ralph T. Lewis Marion Branch Scholarship Fund was established July 23, 1963 by a gift through the Development Fund from Ralph T. Lewis, to be invested in accordance with Sec. 3345.16 G. C. The income is to be used for an annual scholarship at the Marion, Ohio, Branch of The Ohio State University. In the event no scholarship is awarded at the Marion Branch in any given year, then The Ohio State University may award the scholarship to any student at the said University, preference to be given to students from Marion County, Ohio.

9. \$5,200.00 from the American Oil Company, Whitney, Indiana, for a fellowship in Chemistry.
10. \$5,100.00 from Sears Roebuck Foundation for scholarships.
11. \$5,000.00 from Dr. John J. Fahey as an unrestricted gift to the University.
12. \$3,000.00 from Ethicon, Inc., Somerville, New Jersey, for research in Obstetrics and Gynecology.
13. \$2,700.00 in securities (75 shares of The Firestone Tire and Rubber Company common stock) from Raymond C. Firestone for the School of Home Economics. These securities are listed at their mean market price as of August 27, 1963.
14. \$2,600.00 from The Babcock & Wilcox Company, New York, New York, for engineering and technical education.
15. \$2,500.00 from Dr. Victor L. Steffel, Columbus, Ohio, for a student loan fund in Dentistry, entitled the Victor L. and Marie M. Steffel Student Loan Fund.
16. \$2,500.00 from Phillips Petroleum Company, Bartlesville, Oklahoma, for a fellowship in Chemistry.
17. \$2,500.00 from Socony Mobil Oil Company, Inc., for a fellowship in Physics.

September 13, 1963 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

18. \$2,000.00 from Relm Foundation, Ann Arbor, Michigan, for fellowship in Political Science.
19. \$1,200.00 from The Markey Foundation, Bryan, Ohio, for scholarships. (This gift developed by Mr. Alan B. Loop.)
20. \$1,000.00 from Walter English as an undesignated gift to the University.
21. \$1,000.00 from Charles Y. Lazarus as an undesignated gift to the University.
22. \$1,000.00 from Howard E. LeFevre as an undesignated gift to the University.
23. \$1,000.00 from Jack S. Resler as an undesignated gift to the University.
24. \$1,000.00 from James R. Riley as an undesignated gift to the University.
25. \$1,000.00 from Harold F. Zieg as an undesignated gift to the University.

TOTAL - Through the Development Fund \$117,274.09

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the above report of grants and gifts, including the establishment of a scholarship fund, was accepted by unanimous roll call vote, and the Secretary was instructed to include the report in the minutes of this meeting.

C. Report from The Ohio State University Development Fund

1. July, 1963

In July, 1963, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	1,326	\$ 19,496.90
Individuals, other than alumni	169	32,500.10
Non-profit organizations	39	43,710.02
Business concerns	50	35,184.71
	<u>1,584</u>	<u>\$130,891.73</u>

Of these gifts, 1,112 totaling \$8,704.00 were undesignated and 472 totaling \$122,187.73 were designated.

September 13, 1963 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

C. Report from The Ohio State University Development Fund (continued)

2. August, 1963

In August, 1963, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	657	\$ 29,609.77
Individuals, other than alumni	68	4,291.44
Non-profit organizations	48	77,101.54
Business concerns	41	54,672.83
	<u>814</u>	<u>\$165,675.58</u>

Of these gifts, 567 totaling \$5,439.24 were undesignated and 247 totaling \$160,236.34 were designated.

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V. APPROPRIATIONS AND TRANSFER OF FUNDS

A. Grant-in-Aid for Research and Assigned Research Duty

On September 8, 1961 the Board of Trustees authorized the establishment of the University Treasurer Research Account with six subaccounts for specific purposes. Subaccount (d), identified as Research Fellowships and Grants, was established in accordance with action of the Board on October 19, 1953.

Upon recommendation of the Vice President for Research, and with the concurrence of the President's Cabinet, it is recommended that an amount of \$300,000.00 be allocated from the funds received in Subaccount (d) during the 1963-64 fiscal year to be used for research fellowships and grants-in-aid to support research for the 1964-65 fiscal year.

Upon motion of Mr. Bricker, seconded by Mr. Davis, the allocation of \$300,000.00 for the purpose recommended above was approved by unanimous roll call vote.

B. Appropriations for the Development of Research Projects

At the request of the Vice President for Research, and with the concurrence of the Vice President for Business and Finance and the Cabinet, it is recommended that the following amounts be appropriated from the University Treasurer Research Subaccounts as designated, for the projects named:

\$37,000.00 for television equipment for the laboratory of the Personnel Research Board in the Research Space under the East Side of the Stadium

Subaccount (a)

September 13, 1963 meeting, Board of Trustees

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

B. Appropriations for the Development of Research Projects (continued)

\$24,000.00 for furniture to equip the laboratory and offices for the Personnel Research Board in the Research Space under the East Side of the Stadium	Subaccount (b)
\$16,000.00 for the purchase of equipment for the Departments of Astronomy, Chemistry, Physics, and Microbiology for use of new staff members to begin research	Subaccount (f)
\$9,800.00 to provide matching funds for a grant from the National Institutes of Health for research in vision equipment	Subaccount (f)
\$7,600.00 to provide funds for research equipment to assist starting several new research projects for the Department of Sociology and Anthropology	Subaccount (e)
\$7,000.00 to renovate Mendenhall Laboratory for the installation of X-ray research equipment	Subaccount (b)
\$6,230.00 for the landscaping, new road, etc., for the radio-telescope location at the Perkins Observatory site	Subaccount (f)
\$6,205.00 to provide matching funds for a grant from AEC for purchase of equipment in high energy physics	Subaccount (f)
\$5,385.00 to secure nuclear spectroscopy equipment for the Department of Physics	Subaccount (a)
\$5,000.00 to purchase research apparatus for the Department of Geology. (Deposit in Account 19187)	Subaccount (a)
\$5,000.00 for purchasing a liquid helium cooled photoconductive detector for the Department of Physics	Subaccount (a)
\$5,000.00 to purchase an ultra-centrifuge for the College of Veterinary Medicine. (Deposit in Account 19147)	Subaccount (f)
\$3,500.00 to the Graduate School to provide funds for the publication of research findings. (Deposit in Account 19177)	Subaccount (c)

September 13, 1963 meeting, Board of Trustees

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

B. Appropriations for the Development of Research Projects (continued)

\$1,500.00 to acquire research equipment for the
Department of Microbiology Subaccount (a)

Upon motion of Mr. Davis, seconded by Mr. Bricker, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

C. Home Economics - Transfer of Funds

Upon the request of the Director of the School of Home Economics and with the concurrence of the Dean of the College of Agriculture and Home Economics, it is recommended that the sum of \$30,000.00 be transferred from Pomerene Refectory Rotary 86228 to Rotary 18311.

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the transfer of funds from Rotary 86228 to Rotary 18311 was unanimously approved by roll call vote.

D. University Airport

It is recommended that an amount not to exceed \$15,000.00 be appropriated from the University Treasurer General Account 19999 to provide funds for deferred maintenance and improvements on equipment at the University Airport.

Upon motion of Mr. Allyn, seconded by Mr. Rairdon, the above recommendation for allocation of funds was unanimously approved by roll call vote.

E. Extra Orders on Capital Improvement Projects

It is now estimated that an additional amount of \$35,000.00 will be required to complete the building projects under construction. It is, therefore, recommended that the Board of Trustees approve the additional allocation of this amount from Subaccount (f) in the University Treasurer Research Account for such expenses as may be necessary for the above stated purposes.

Upon motion of Mr. Davis, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

F. The Ohio State University Development Fund Budget for 1963-64

It is recommended that the sum not to exceed \$85,000.00 be allocated from the University Maintenance Funds toward the operating expenses of The Ohio State University Development Fund for the fiscal year ending June 30, 1964 and that an operating budget in the amount of \$137,596.00 be approved. The budget amount will be provided as follows:

September 13, 1963 meeting, Board of Trustees

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

F. The Ohio State University Development Fund Budget for 1963-64 (continued)

University Allocation	\$ 85,000.00
Cumulative Interest on Development	
Fund Investments	<u>52,596.00</u>
	\$137,596.00

Upon motion of Mr. Rairdon, seconded by Mr. Bricker, the above recommendation for allocation of funds was approved by roll call vote. Mr. Alan B. Loop did not vote for the reason that he serves as a member of the Board of Directors of The Ohio State University Development Fund.

G. Appropriations for University Administrative Officials

Mr. Allyn, a member of the Finance and Investment Committee, presented the recommendation that the following amounts be appropriated from the unrestricted interest on endowment funds in the University Treasury to the administrative officers of the University for the purpose of carrying out their administrative responsibilities during the 1963-1964 fiscal year: to the President, \$7,500.00; (2) to each of the persons in the following Cabinet offices, \$1,000.00 - Vice President for Instruction and Dean of Faculties, Vice President for Business and Finance; Vice President for Research; Vice President and Secretary; Acting Executive Dean, Special Services; Executive Dean, Student Relations; Executive Director, Campus Planning; Executive Director, University Relations; Executive Assistant to the President and Director, Personnel Budget; and (3) an additional amount of \$1,000.00 to be allocated at the discretion of the President for such costs as may be incurred by the administrative officers as they, by direction, further the fiscal progress of the University.

Upon motion of Mr. Bricker, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

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VI. EXTRA ORDERS TO CONTRACTS

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra Orders to Contracts as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated in each case.

A. Research Space - East Side of Stadium (Phase II) (Personnel Research Board)

Heating, Ventilating and Air Conditioning Contract

It is recommended that a flexible rubber connection be provided in lieu of flexible metal hose connection between the chiller and water pump and the piping and that rubber hanger points be provided for all refrigerant and chilled water piping.

Add \$526.00

Funds will be provided from Budget Account 91020, H. B. 711.

September 13, 1963 meeting, Board of Trustees

VI. EXTRA ORDERS TO CONTRACTS (continued)

B. Student Housing, Building No. 3 (Blackburn House)

General Contract

It is recommended that 3/8" stainless steel rods with tamper-proof fastenings be furnished and installed at the front edge of each of the three stainless steel shelves in a total of 57 bathrooms. Add \$510.00

Funds will be provided from the Dormitory Construction Fund.

C. Student Housing, Buildings No. 4, 5 and 6 (Haverfield, Norton and Scott Houses)

General Contract

It is recommended that 3/8" stainless steel rods with tamper-proof fastenings be furnished and installed at the front edge of each of the three stainless steel shelves in a total of 102 bathrooms in Buildings No. 5 and 6. Add \$900.00

Funds will be provided from the Dormitory Construction Fund.

Upon motion of Mr. Davis, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

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VII. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of materials and estimates of cost for the following projects be approved by the Board of Trustees:

A. Starter's Shelter, University Golf Course

Funds will be provided for this project from Athletic Department Funds.

B. Improvements in Electrical Systems, University Hospital

Funds for this project will be provided from the University Hospital Rotary.

VII. PLANS AND SPECIFICATIONS (continued)

C. Storm Sewer Improvement at University Airport

Funds for this project will be provided from Department 2375, Budget Account 12350.

Upon motion of Mr. Allyn, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter shall be reported to the Board of Trustees at a later meeting.

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VIII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contracts for the following projects have been recommended for award and the action is hereby reported to the Board:

A. Repairing and Patching a Portion of the Exterior
Concrete Surface of the Stadium

Bids were received on August 6, 1963 for this project and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Rev. Est. of Cost</u>
(5 bids received)		
The Penetryn Systems, Inc. (Cleveland, Ohio)		
Base Bid	\$13,000.00	\$20,000.00
Alternate No. 2 - Two Additional Sections	1,860.00	3,600.00
Total	<u>\$14,860.00</u>	<u>\$23,600.00</u>

Funds for this project will be provided from the Athletic Department Fund.

B. Repairs to Steam Lines and Heating Systems in Four Buildings

Bids were received on August 6, 1963 for this project and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(2 bids received)		
The Limbach Company (Columbus)	\$13,606.00	\$19,000.00

Funds for this project will be provided from Department 2355, Budget Account 12350.

September 13, 1963 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

C. Repairs to Electrical Distribution Systems in Five Buildings

Bids were received on August 23, 1963 for this project and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(4 bids received)		
Jess Howard Electric Company (Columbus)	\$28,497.00	\$44,000.00

Funds for this project will be provided from Department 2355, Budget Account 12350.

D. Starling Loving Hall, Rehabilitation of Room M-100

Bids were received on August 6, 1963 for this project and the award of contracts recommended to the lowest and best bidders as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(6 bids received)		
Pendleton Construction Co. (Columbus)	\$ 9,995.00	\$12,084.00

Heating, Ventilating and Air Conditioning Contract

(5 bids received)		
Huffman-Wolfe Co. (Columbus)	20,169.00	27,940.00

Electrical Contract

(3 bids received)		
Mid-City Electric Co. (Columbus)	6,359.00	6,490.00
Total contracts	<u>\$36,523.00</u>	<u>\$46,514.00</u>

Funds for this project will be provided from the University Hospital Rotary.

E. Interior Painting and Patch Plastering Military Science Building

Members of the Board of Trustees were notified of the need to proceed with this project on July 22, 1963 and subsequently bids were received on August 23, 1963 and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(6 bids received)		
The Timothy J. Martin Painting Co., Inc. (Columbus, Ohio)	\$ 9,443.00	\$13,100.00

Funds for this project will be provided from Department 2355, Budget Account 12350.

September 13, 1963 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

F. Repair of Primary Electric Cables to West Campus

Members of the Board of Trustees were notified of the need to proceed with this project on July 22, 1963 and subsequently bids were received on August 23, 1963 and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(4 bids received)		
Pence Electric Company (Columbus)	\$ 20,880.00	\$ 17,800.00

Funds for this project will be provided from Department 2355, Budget Account 12350.

G. Rehabilitation of Rooms 402A, B, C and 403A, B, C, Starling Loving Hall

Bids were received on August 20, 1963 for this project and the General Contract was readvertised with bids received on August 29, 1963 and the award of contracts recommended to the lowest and best bidders as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract (Readvertised)</u>		
(2 bids received)		
Waller & Lund, Inc. (Columbus)	\$ 4,849.00	\$ 5,187.50
<u>Air Conditioning Contract</u>		
(6 bids received)		
United Refrigeration Co. (Columbus)	4,685.00	5,665.00
Total contracts	<u>\$ 9,534.00</u>	<u>\$ 10,852.50</u>

Funds for this project will be provided from the University Hospital Rotary.

H. Addition to Antenna Laboratory

Bids were received for this project on August 23, 1963 and the Heating, Ventilating and Air Conditioning Contract was readvertised with bids received on August 30, 1963. The recommendation for award of contracts to the lowest and best bidders is as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(11 bids received)		
Sheaf Construction Co. (Columbus)		
Base Bid	\$138,840.00	\$196,537.00
Alt. G-1 Asphaltic Paving & Curbs	5,700.00	6,950.00
Alt. G-2 Paint Exterior of Existing Building	650.00	2,625.00
Alt. G-3 Removable Partitions	1,400.00	3,505.00
Alt. G-4 Exterior Wall Coating	2,200.00	1,650.00
Alt. G-5 Site Improvement	5,900.00	17,927.00
Total contract	<u>\$154,690.00</u>	<u>\$229,194.00</u>

September 13, 1963 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

H. Addition to Antenna Laboratory (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Plumbing Contract</u> (5 bids received)		
J. A. Guy, Inc. (Columbus)		
Base Bid	\$ 13,870.00	\$ 20,747.00
Alt. P-1 Storm Drainage	2,700.00	2,675.00
Total contract	<u>\$ 16,570.00</u>	<u>\$ 23,422.00</u>
<u>Electrical Contract</u> (6 bids received)		
Mid-City Electric Co. (Columbus)	\$ 40,779.00	\$ 45,476.00
<u>Equipment Contract</u> (1 bid received)		
Smith & Schaefer, Inc. (Cincinnati)	\$ 3,880.00	\$ 5,676.00
<u>Heating, Ventilating & Air Conditioning</u> <u>Contract (Readvertised)</u> (1 bid received)		
Limbach Company (Columbus)	\$ 54,880.00	\$ 57,500.00
Total Contracts	<u>\$ 270,799.00</u>	<u>\$ 361,268.00</u>

Funds for this project will be provided from Budget Account 91019, University Treasurer Research Subaccount (e).

I. Student Housing - Building #12 (Drackett Tower)

Bids were received for this project on September 5, 1963 and the General Contract was readvertised with bids received on September 12, 1963. The recommendation for award of contracts to the lowest and best bidders is as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract (Readvertised)</u> (4 bids received)		
A. E. Knowlton Construction Co. (Bellefontaine)		
Base Bid	\$1,427,300.00	\$1,500,000.00
<u>Heating, Ventilating & Air</u> <u>Conditioning Contract</u> (6 bids received)		
Tibbetts Plumbing & Heating Co. (Columbus)		
Base Bid	392,140.00	502,000.00

VIII. REPORT OF AWARD OF CONTRACTS (continued)

I. Student Housing - Building #12 (Drackett Tower) (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Plumbing Contract</u> (7 bids received) Tibbetts Plumbing & Heating Co. (Columbus)		
Base Bid	\$ 295,780.00	\$ 298,000.00
<u>Electrical Contract</u> (4 bids received) Gustav Hirsch Co. (Columbus)		
Base Bid	\$ 233,447.00	\$ 254,000.00
Total Contracts	<u>\$2,348,667.00</u>	<u>\$2,554,000.00</u>

Funds for this project will be provided from Dormitory Construction Funds.

Upon motion of Mr. Bricker, seconded by Mr. Loop, the above award of contracts and expenditure of funds were approved and the action of the Vice President, Business and Finance, ratified by unanimous roll call vote.

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IX. CONTROLLING BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

- 2 Authorizes the award of contract for the project "Repair and Replace Curbs" in the amount of \$6,675.00 and approves the expenditure of \$302,573.00 from Maintenance Account 200, H. B. 711 to provide funds for eight repair projects.
- 12 Approves the expenditure of \$13,606.00 from Maintenance Account 200, H. B. 711 to provide funds for the project "Repairs to Steam Lines and Heating Systems in Four Buildings."
- 13 Approves the expenditure of \$36,523.00 from Account 802, H. B. 711, to provide funds for the project "Starling Loving Hall Rehabilitation of Room M-100."

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X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Ohio Fuel Gas Company Easement

The Ohio Fuel Gas Company has requested permission to construct a 20 inch gas pipe line and a 10 inch gas pipe line on lands of the State of Ohio, which lands have been designated for use by The Ohio State University. The proposed gas pipe lines are to serve property located west of the University and to increase the gas pressure in the northwest section of the City of Upper Arlington.

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

A. Ohio Fuel Gas Company Easement (continued)

The Secretary conducted a poll of the Board members by telephone on August 8, 1963, to obtain approval to request the Director of Public Works of the State of Ohio, pursuant to his statutory duties, to act on behalf of the University in developing the necessary legal instruments to provide for the installation of said gas pipe lines and to negotiate the appropriate compensation to the University.

It is recommended that this action be hereby ratified.

Upon motion of Mr. Rairdon, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

B. Special Policeman Commission

At the request of the Vice President, Business and Finance, it is recommended that David Daniel Thompson, Jr., be designated as Special Policeman pursuant to the provisions of Section 3345.04 of the Revised Code of Ohio; and that in further compliance with the provisions of said section, the Board of Trustees require Mr. Thompson, as well as any other employee of this institution designated as Special Policeman, to take the oath of office and give bond to the State of Ohio in an amount no less than One Thousand Dollars (\$1,000.00) prior to assuming the duties of Special Policeman.

Upon motion of Mr. Davis, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

C. Upper Arlington McCoy Road East Storm Sewer

WHEREAS, the City of Upper Arlington plans to install a storm sewer in the area north of the University Golf Course between Reed Road on the west and Kenny Road on the east; and

WHEREAS, the City of Upper Arlington has agreed to route said sewer east along McCoy Road to Kenny Road, thence south along Kenny Road to Turkey Run in lieu of increasing the flow of water at the north side of the University Golf Course; and

WHEREAS, the agreed routing will save the University Golf Course from considerable damages due to excessive storm water erosion; and

WHEREAS, the agreed sewer routed around the Golf Course will cost \$42,000.00 more than the original sewer plan of the City of Upper Arlington;

NOW BE IT RESOLVED, that the Vice President, Business and Finance, is hereby authorized to pay the City of Upper Arlington an amount of \$21,000.00 as the University's share of the additional cost of the storm sewer installation. Funds for this purpose will be provided from the surplus of income over expenditures in the account of the Athletic Department in accordance with the

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

C. Upper Arlington McCoy Road East Storm Sewer (continued)

1963-64 Athletic Department Budget as approved by the Board of Trustees on June 14, 1963.

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the above resolution was unanimously approved by roll call vote.

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XI. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the death of Helen Louise Edmondson, Assistant Professor of Library Administration and Librarian of the College of Education Library; John Ironsides Falconer, Professor Emeritus of Agricultural Economics and Rural Sociology; Paul Everett Machovina, Professor of Engineering Drawing; and Arthur Salz, Professor Emeritus of Economics; and, in accordance with the instructions of the Board of Trustees, copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board have been furnished the families of the deceased.

A. Helen Louise Edmondson

The Board of Trustees expresses its sorrow at the death on July 23, 1963 of Helen Louise Edmondson, Assistant Professor of Library Administration and Librarian of the College of Education Library.

Professor Edmondson was born in Gallup, New Mexico, on October 23, 1898. She received an A.B. degree from West Virginia University in 1924 and an A.B. in Library Science from the University of Illinois in 1927. Her first position was that of Assistant Librarian at West Virginia University, 1924-26. In 1927 she was Cataloger of the Fairmont, West Virginia, Public Library. The State Teachers College of Emporia, Kansas, appointed her Reference Librarian in 1927, in which position she served until 1929. In the latter year she transferred to Marshall College in West Virginia where she served as Cataloger and later as Librarian until 1933. In March of 1933 she was appointed Librarian of the College of Education Library of The Ohio State University, a position which she filled with distinction for slightly over thirty years.

During the long period of her administration the book stock of the Education Library grew from an estimated 25,000 volumes to over 66,000 volumes as of June 30, 1963. Miss Edmondson took a personal interest in providing undergraduates, graduates, and faculty with the materials which they needed in learning, instruction, or research. She worked closely and effectively with the Departments of Education and Psychology, gaining the respect, confidence, and affection of their faculty. Alumni frequently wrote to the library administration expressing keen appreciation for the help which they had received in the Education Library and particularly from the Librarian. In large part the growth of this Library from a small, weak collection to a substantial, research collection serving the needs of undergraduates through doctoral candidates and faculty engaged in research, was due to the conscientious and persistent efforts of Professor Edmondson.

XI. RESOLUTIONS IN MEMORIAM (continued)

A. Helen Louise Edmondson (continued)

She was a member of Delta Gamma, P.E.O. Sisterhood, Quota Club, American Library Association, Ohio Library Association, and Franklin County Library Association.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

B. John Ironsides Falconer

The Board of Trustees expresses its sorrow at the death on August 6, 1963, of John Ironsides Falconer, Professor Emeritus of the Agricultural Economics and Rural Sociology Department.

Dr. Falconer was born in Mason, New Hampshire, in 1888. He obtained his B.S. degree at the University of New Hampshire where later he was awarded an honorary degree. His M.S. and Ph.D. degrees were earned in agricultural economics at the University of Wisconsin under the guidance and intellectual stimulation of Henry C. Taylor, R. T. Ely, and John R. Commons. He spent two years as an assistant in Agronomy with the Rhode Island Board of Agriculture and the Agricultural Experiment Station of that State, then served with the Carnegie Institute at Washington, D. C., where he co-authored a history of the agriculture of northeastern United States.

He joined the staff of The Ohio State University in 1914 and became Professor and Chairman of the newly established Department of Agricultural Economics and Rural Sociology in 1917. In 1925 he became head of the newly established Department of Agricultural Economics and Rural Sociology at the Ohio Agricultural Experiment Station at Wooster. These positions he held concurrently until his retirement in 1953.

During his nearly forty years of service to the University and Experiment Station, he served well the people of Ohio and the Nation. In addition to designing and building the sound foundation upon which the Department is founded and upon which its greatly expanded program is currently based, he left for posterity an invaluable inheritance in the broadened and stimulated minds of the hundreds of undergraduates and graduates in his classes who are serving today in many capacities and in many lands to make this a better world.

To mention a few of his other activities, he was secretary-treasurer of the American Farm Economics Association from 1921 to 1926 and was president in 1927. He was a member of Ohio's post-war planning committee, Ohio's nutrition committee, a member of the state planning board, chairman of the state advisory board of the Farm Security Administration, faculty adviser of Ohio's Society of Farm Managers and Rural Appraisers, vice president of the American Society, and chairman of the Ohio Farm and Home Protective Committee during the depression.

September 13, 1963 meeting, Board of Trustees

XI. RESOLUTIONS IN MEMORIAM (continued)

B. John Ironsides Falconer (continued)

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

C. Paul Everett Machovina

The Board of Trustees expresses its sorrow at the death on August 13, 1963 of Paul Everett Machovina, Professor of Engineering Drawing at The Ohio State University.

He was born in Berea, Ohio, on October 25, 1912 and was graduated from The Ohio State University in 1936 with the degree of Bachelor of Engineering in Mining. He spent his first year after graduation with the Timken Roller Bearing Company in Canton, Ohio.

He had served as a student assistant in the Department of Engineering Drawing from 1932-1936 and returned as an instructor in the Autumn Quarter, 1937. In 1942 he was promoted to Assistant Professor, advanced to Associate Professor in 1947, and acquired the rank of Professor in 1957.

Professor Machovina assisted in revisions of Engineering Drawing by Thomas E. French, and was a contributing author to the 7th and 8th editions. He was the author of A Manual for the Slide Rule, McGraw-Hill Company, 1950; co-author of Engineering Geometry and Graphics with Hollie Shupe; and several workbooks in engineering drawing and descriptive geometry. In addition, he had several papers published in the Engineering Drawing Journal, some of which had been given before the Engineering Drawing Division of the American Society for Engineering Education at their annual meetings.

Professor Machovina was an active member of the American Society for Engineering Education and the American Society of Tool Engineers. In recent years he was most active in the Ohio Society of Professional Engineers and was the faculty adviser for the campus student branch of this Society. This group, through Professor Machovina's guidance, was recognized as one of the outstanding groups of its kind in the United States. One of the finest contributions that they made to the College was the preparation and distribution of the Engineering College News, a bi-weekly publication.

His avocations were guns and nut growing. He had a small country place in Athens County where he loved to hunt and experiment with many varieties of nut trees. He was very active in National Rifle Association and Northern Nut Growers' Association.

While at the University he was a member of Delta Chi Social Fraternity, Sigma Gamma Epsilon and Tau Beta Pi honoraries, University Lodge #631 F&AM, and the Faculty Club.

XI. RESOLUTIONS IN MEMORIAM (continued)

C. Paul Everett Machovina (continued)

In campus and community life, he was an active and helpful associate and neighbor. His twenty-six years of continued and devoted service to this University has been greatly appreciated by the faculty, administration, students, and alumni who have had the privilege of working with him.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

D. Arthur Salz

The Board of Trustees expresses its sorrow at the death on August 10, 1963 of Arthur Salz, Professor Emeritus of Economics.

Dr. Salz was born in Staab, Bohemia, on December 31, 1881. He received the Doctor (summa cum laude) Degree at the University of Munich in 1903, after studying there and at the Universities of Prague, Vienna, and Berlin. On his seventieth birthday he was awarded an Honorary Degree by Heidelberg University, Germany.

Dr. Salz began his long and distinguished teaching and research career at Heidelberg University in Germany in 1908 where he remained until 1933. In 1933-34 he was a Visiting Professor of Economics at Cambridge University in England. In the following year he came to The Ohio State University where he served as a Professor of Economics until his retirement in 1952.

Professor Salz was the author of many notable books and articles on economic subjects. He also translated many books and addresses into the German language, including Professor Alfred Marshall's celebrated English work, Principles of Economics. His scholarly interests included an intimate knowledge of the classics and a deep understanding of philosophy, political science, sociology, and history.

In addition to his academic achievements, which were widely recognized, Dr. Salz had several business connections. He was the manager of an industrial firm for a time and a director in several other companies. From 1914 to 1919 Dr. Salz served in the German Army and was decorated four times.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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XII. REPORTS

A. Administrative Reports

President Fawcett presented a statement of introduction to staff reports by members of the President's Cabinet concerning the activities and problems related to their special areas of interest and responsibility. The President's statement included a report of some of the significant achievements of the University and placed in excellent perspective some of the important developments that face The Ohio State University for the coming year. These developments include such items as:

- (1) A plan for a capital improvements program for the University from funds made available through (a) anticipated passage of the \$250 million bond issue, (President Fawcett stated that an extremely conservative estimate of the amount Ohio State might expect to receive from this new bond issue is at least \$60 million); (b) federal funds made available through H. R. 12 which has been passed by both the House and the Senate; (c) federal funds made available from H. R. 6143 which has been passed by the House and is pending in the Senate.
- (2) Plans for the development of a technical institute program for the University including the possible proposal of the training of technicians from the United States Navy.
- (3) Plans for the funding of a continuing education center (Center for Tomorrow) for the University.

The Board of Trustees enthusiastically endorsed the above proposals as interpreted by the President and members of the Cabinet. The Board further authorized the implementation of the proposals as funding becomes available. The Secretary was instructed to file the staff reports with the official records of the Board of Trustees.

B. Relocation of the Olentangy River Road

At the request of the President, Executive Director John H. Herrick reported on the current status of the proposal endorsed by this Board four years ago that the Olentangy River Road be relocated and that the present right-of-way between Kinnear Road and Stadium Drive or Lane Avenue be vacated. He stated that a stalemate of many months duration had existed with one city official insisting on keeping the present right-of-way and the University strongly urging a new alignment along the Chesapeake and Ohio Railroad in order to free the west bank of the river for University use in keeping with the official Master Plan for the future development of the campus. He further reported that the public press had within the past ten days indicated some hope of a negotiated settlement, and that the Director of Highways of the State of Ohio had indicated his intention to confer at an early date with top level officials of the City and the University in an effort to achieve an agreement by October 1, 1963.

Upon motion of Mr. Bricker, seconded by Mr. Rairdon, it was unanimously voted that the Board of Trustees reaffirm its endorsement of the new alignment of this road in accordance with the campus Master Plan officially adopted by the Board of Trustees in February 1962, and that the President be instructed to press vigorously for this new alignment and for the vacation of a portion of the present roadway in accordance with the official Master Plan.

September 13, 1963 meeting, Board of Trustees

XII. REPORTS (continued)

C. Reports from the Retirement and Insurance Committee

1. Report on Insurance in Force

A report on the Insurance in Force for The Ohio State University as of September 1, 1963 as prepared by the Office of Business and Finance was presented by Mr. Rairdon, Chairman of the Retirement and Insurance Committee.

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the report was unanimously accepted and ordered to be filed with the official documents of the Board of Trustees.

2. Amendment #24 to the Group Life Insurance Policy #1305-G and Amendment #11 to Major Medical Insurance Policy #58175-GTC

Mr. Rairdon presented the following recommendation of the Committee on Retirement and Insurance:

It is recommended that effective October 1, 1963, University Group Insurance Policies #1305-G and 58175-GTC be amended to incorporate provisions for modification and reinstatement of these policies in case of lapse or termination and provide for the establishment of a Claims Stabilization Reserve. In addition to the protection afforded by the modification and reinstatement provision, it is anticipated that the establishment of the Claims Stabilization Reserve will result in approximately \$1,500.00 more interest contribution annually to the Dividend Account.

It is further recommended that the President be authorized to sign on behalf of The Ohio State University, Amendment #24 to John Hancock Mutual Life Insurance Company Policy #1305-C and Amendment #11 of Policy #58175-GTC of the same company. These Amendments incorporate the changes enumerated above.

Upon motion of Mr. Rairdon, seconded by Mr. Bricker, the Board of Trustees unanimously approved the above recommendation.

D. Reports from the Finance and Investment Committee

1. Bond Resolution, Fourth Supplemental Trust Agreement, Interim Financing Agreement

Mr. Allyn presented the following report and resolutions concerning the financing of Student Housing, Building #12 (Drackett Tower), the interim financing thereof, and the issuance of Dormitory Revenue Bonds, Series I:

RESOLVED, that the Board of Trustees hereby adopts the Series I Bond Resolution as set forth in the Fourth Supplemental Trust Agreement between the University and The Ohio National Bank of Columbus, Trustee, dated as of April 15, 1963, attached hereto and made a part of these minutes (see Appendix II, page 130).

XII. REPORTS (continued)

D. Reports from the Finance and Investment Committee (continued)

1. Bond Resolution, Fourth Supplemental Trust Agreement, Interim Financing Agreement (continued)

FURTHER RESOLVED, that the Board of Trustees hereby approves the Fourth Supplemental Trust Agreement in all respects, and the officers designated in the Series I Bond Resolution are hereby authorized to execute and deliver such Fourth Supplemental Trust Agreement to The Ohio National Bank of Columbus, as Trustee, at such time as they may deem appropriate.

FURTHER RESOLVED, that the Board of Trustees and the University hereby establish such special bank accounts as may be required by the Fourth Supplemental Trust Agreement or the original Trust Agreement dated as of April 15, 1957, or by the interim financing arrangement hereafter approved, and the authorized signatures for withdrawals from such accounts shall be the same as the authorized signatures with respect to bank accounts in which there are deposited special funds pursuant to said original Trust Agreement, and the President, Vice President, Business and Finance, or Treasurer are authorized to arrange for such accounts in such banks as the officer acting may determine and the Secretary of the Board is authorized to include in the minutes as hereby adopted any standard forms of bank resolutions required in connection with effecting the foregoing.

FURTHER RESOLVED, that the parietal rules governing use and occupancy of the University's dormitory facilities, previously adopted by the Board of Trustees, and now in effect, be and they hereby are confirmed and deemed applicable to the dormitory facility to be constructed from the proceeds of the Series I Bonds.

FURTHER RESOLVED, that rental rates for the dormitory facility to be financed with the proceeds of the Series I Bonds (known as Building No. 12 or Drackett Tower) shall be \$275.00 per student per quarter, and rental rates and board rates for other dormitory facilities of the University previously adopted by the Board and now in effect, be and they are hereby confirmed and continued.

FURTHER RESOLVED, that the commitment letter agreement from A. G. Becker & Co. dated September 6, 1963, attached hereto and made a part of these minutes (see Appendix III, page 159), is hereby approved and the officers of the University and the officers of the Board of Trustees are authorized to take any and all action necessary or proper in connection with the acceptance of said commitment letter and performance of the conditions contained therein and delivery of the note or notes contemplated thereby, and the President and Vice President, Business and Finance of the University, or any two of said officers, are authorized on behalf of the University and the Board of Trustees to execute and deliver a copy of the commitment letter and a note or notes in accordance with the terms thereof, with such changes therein not adverse to the University as the officers executing the same shall deem advisable.

XII. REPORTS (continued)

D. Reports from the Finance and Investment Committee (continued)

1. Bond Resolution, Fourth Supplemental Trust Agreement, Interim Financing Agreement (continued)

FURTHER RESOLVED, that the President, Vice President, Business and Finance, and Treasurer, and each of them acting individually, are authorized to deposit the proceeds of the sale of said note or notes in a Construction Account and to apply said proceeds to pay costs of the project referred to in the Fourth Supplemental Trust Agreement, and until needed for payment of such costs, to invest and reinvest such proceeds in obligations of the United States of America, or in obligations which are guaranteed by the United States of America, or in obligations of agencies and instrumentalities of the United States of America.

FURTHER RESOLVED, that the certificate of the President and Vice President, Business and Finance of the University (shown on page 127) certifying as to sufficient earnings coverage as of July 1, 1965 for the issuance of the Series I Bonds as additional parity bonds under the Trust Agreement dated as of April 15, 1957, with The Ohio National Bank of Columbus, as Trustee, is hereby approved.

Upon motion of Mr. Allyn, seconded by Mr. Davis, the above resolution was unanimously adopted by roll call vote.

2. Designation of Special Counsel

Mr. Allyn presented the following resolution relative to the designation of Special Counsel for the proposed issue of Dormitory Revenue Bonds, Series I:

RESOLVED, that the Board of Trustees of The Ohio State University hereby determines that it is in the interest of the University to obtain the services of Squire, Sanders & Dempsey in connection with the proposed issue of Dormitory Revenue Bonds, Series I, and accordingly the President and the Vice President, Business and Finance, and each of them, are authorized to request the Attorney General of the State of Ohio to designate Squire, Sanders & Dempsey as special counsel to the University on the terms set forth in the form of designation attached hereto and made a part of these minutes (see Appendix IV, page 165).

Upon motion of Mr. Allyn, seconded by Mr. Davis, the above resolution was unanimously adopted by roll call vote.

3. Report on the Investment Portfolio

The report on the status of the University's Investment Portfolio dated August 31, 1963 was received and the Secretary was instructed to file a copy of the report with the official records of the Board of Trustees. Upon motion of Mr. Loop, seconded by Mr. Allyn, the Board by unanimous vote approved the continuation of employment of the investment analyst firms--Duff, Anderson and Clark on industrials and Duff and Phelps on utilities, effective October 1, 1963 at a combined annual rate of \$4,200.00.

The Ohio State University
Schedule of Expected Earnings Coverage under Section 6(b)
of Bond Resolution as of July 1, 1965 for Issuance of
\$3,000,000 Dormitory Revenue Bonds, Series I

1. Estimated net income from existing dormitory facilities for the fiscal year ending June 30, 1965. (Note 1)	\$1,855,000
2. Estimated annual net income from dormitory facilities to be constructed with proceeds from the sale of Series I Bonds, viz., Drackett Tower, after provision for Debt Service on Future Dining Facility. (Note 2)	<u>147,000</u>
3. Total estimated net income from existing facilities described in Item 1 and facilities to be constructed from proceeds of Series I Bonds referred to in Item 2.	<u>\$2,002,000</u>
4. Maximum amount to become due in any succeeding fiscal year, namely 1997 for principal and interest on Series A, B, C, D, E, F, G, H and I Bonds. (Note 3)	<u>\$1,472,744</u>
5. Ratio of total net income to maximum principal and interest requirements on Series A, B, C, D, E, F, G, H and I Bonds.	<u>1.359</u>

Note 1 The term dormitory facilities as herein used shall mean dormitory facilities as that term is defined in the Trust Agreement with The Ohio National Bank of Columbus, dated as of April 15, 1957 and includes all facilities constructed from the proceeds of the University's Dormitory Revenue Bonds, Series E, F, G and H. It is hereby certified that all facilities constructed from the proceeds of the aforementioned bonds will be in operation and income producing by July 1, 1964.

Note 2 Estimated net income computed in accordance with the present Trust Agreement on the basis of 95% occupancy and estimated expenses consistent with those experienced in similar existing facilities. 95% occupancy is consistent with experience to date. Provision is made for debt service on future bonds if bonds are issued under the Trust Agreement in addition to Series A through I to construct a dining facility to serve students living in Drackett Tower.

Note 3 Series I bonds computed at 3 1/2% for 40 years. Series A through H computed on basis of actual interest rates for those bonds.

Certificate

The undersigned respectively, President and Vice President, Business and Finance, of The Ohio State University, hereby certify as to the facts set forth in the above schedule.

President

Vice President, Business and Finance

September 13, 1963 meeting, Board of Trustees

XII. REPORTS (continued)

E. Distribution of Annual Financial Reports 1962-1963

Vice President Gordon B. Carson distributed and reviewed in detail the Annual Financial Report of the University for the fiscal year beginning July 1, 1962 and ending June 30, 1963, in which was contained the State Auditor's Report on the assets and liabilities and fund equities of the University.

Vice President Carson also distributed and commented briefly on the financial report of The Ohio State University Endowment Fund.

Upon motion of Mr. Allyn, seconded by Mr. Davis, and by unanimous roll call vote, the above reports were received and ordered filed with the official documents of the Board of Trustees.

F. Report of Award Received by Vice President Alfred B. Garrett

The President reported that Vice President Alfred B. Garrett had received the American Chemical Society's 1964 Award in Chemical Education sponsored by the Scientific Apparatus Makers Association. The Award, created to recognize outstanding contributions to chemical education, was announced at the 145th National Meeting of the Society in New York City on September 9, 1963. The Board extended high commendation to Vice President Garrett for this significant recognition and ordered that the President's report of the Award be included in the minutes of this meeting.

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XIII. COMMITTEE APPOINTMENTS - 1963-1964

The Chairman appointed the following named persons to serve on the Council, Boards, and Committees for 1963-1964 as indicated below:

FINANCE AND INVESTMENT

Thomas F. Patton, Chairman
Stanley C. Allyn
Carlton S. Dargusch

RETIREMENT AND INSURANCE

Smith L. Rairdon, Chairman
Jacob E. Davis
Alan B. Loop

DEVELOPMENT FUND BOARD OF DIRECTORS

Jacob E. Davis
Alan B. Loop

ASSOCIATION OF GOVERNING BOARDS OF STATE UNIVERSITIES
AND ALLIED INSTITUTIONS

Smith L. Rairdon

September 13, 1963 meeting, Board of Trustees

XIII. COMMITTEE APPOINTMENTS - 1963-1964 (continued)

INTER-UNIVERSITY COUNCIL

John W. Bricker

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LETTER RECEIVED FROM MR. KETNER

Mr. Patton, the Chairman, read the following letter from Mr. Ketner and requested that it be included with the minutes of this meeting.

C	Forrest G. Ketner
O	20 Stanbery Avenue
P	Columbus 9, Ohio
Y	

September 10, 1963

John Mount, Vice President-Secretary
Board of Trustees
The Ohio State University
190 North Oval Drive
Columbus, Ohio

Dear John:

Please express to the Board of Trustees and to President Fawcett my deep appreciation and sincere gratitude for the Distinguished Service Award of Ohio State University. I shall always cherish most highly the memories of my relationship with many fine dedicated people and all the interesting experiences during my associations with the University; especially those years as a Trustee.

Sincerely and cordially always,

(Signed)

Forrest G. Ketner

FGK:dce

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Thereupon the Board adjourned to meet Friday, October 11, 1963, at The Ohio State University, Columbus, Ohio, at ten o'clock.

Attest:

John T. Mount
Secretary

Thomas F. Patton
Chairman

APPENDIX II

THE OHIO STATE UNIVERSITY
DORMITORY REVENUE BONDS

FOURTH SUPPLEMENTAL TRUST AGREEMENT

between

THE OHIO STATE UNIVERSITY

and

THE OHIO NATIONAL BANK OF COLUMBUS, TRUSTEE

THE OHIO STATE UNIVERSITY
DORMITORY REVENUE BONDS

FOURTH SUPPLEMENTAL TRUST AGREEMENT

between

THE OHIO STATE UNIVERSITY

and

THE OHIO NATIONAL BANK OF COLUMBUS, TRUSTEE

Dated as of April 15, 1963

Securing

\$3,000,000 Series I Bonds dated April 15, 1963

Additional Parity Bonds hereafter issued as provided herein.

THE OHIO STATE UNIVERSITY
DORMITORY REVENUE BONDS
SERIES I

FOURTH SUPPLEMENTAL TRUST AGREEMENT

THIS FOURTH SUPPLEMENTAL TRUST AGREEMENT, dated as of the 15th day of April, 1963 (herein called the "Supplement"), by and between The Ohio State University and its Board of Trustees (herein called the "University"), a state university of Ohio, and The Ohio National Bank of Columbus, Columbus, Ohio (herein called the "Trustee"), a corporation duly organized and existing under and by virtue of the laws of the United States, as Trustee under the Trust Agreement dated as of April 15, 1957 hereinafter mentioned.

WITNESSETH:

WHEREAS, the University, pursuant to the Original Bond Resolution, passed April 8, 1957, entered into a Trust Agreement dated as of April 15, 1957 with the Trustee and as of April 15, 1958, October 15, 1959 and April 15, 1961, respectively entered into First, Second and Third Supplemental Trust Agreements (herein, collectively with the First, Second and Third Supplements and this Supplement, called the "Trust Agreement") under which \$6,000,000 Series A, \$6,000,000 Series B, \$2,330,000 Series C, \$2,030,000 Series D, \$5,300,000 Series E, \$1,200,000 Series F, \$1,350,000 Series G and \$2,850,000 Series H Dormitory Revenue Bonds have been authorized and issued and under which Additional Bonds (herein called "Additional Bonds") are issuable on a parity with the Series A, B, C, D, E, F, G and H Bonds and other Additional Bonds hereafter issued under certain conditions as provided in the Trust Agreement; and

WHEREAS, the University has in all respects complied with the provisions of the Trust Agreement so as to be entitled to execute and to have authenticated and delivered by the Trustee \$3,000,000 of Additional Bonds; and

WHEREAS, the University further desires by this Supplement to provide for the issuance under the Trust Agreement of \$3,000,000 of Additional Bonds (herein called the Series I Bonds); and

Fourth Supplemental Trust Agreement

WHEREAS, the Board of Trustees of the University has duly adopted on September 13, 1963, the Series I Bond Resolution providing for the Series I Bonds and this Supplement, which resolution, collectively with the Original Bond Resolution, is referred to as the Bond Resolution; and

WHEREAS, the Series I Bond Resolution is as follows:

Resolution

Providing for the issuance of \$3,000,000 The Ohio State University Dormitory Revenue Bonds, Series I, as Additional Parity Bonds pursuant to Bond Resolution adopted April 8, 1957 and Trust Agreement dated as of April 15, 1957, for the purpose of providing funds for the purpose of constructing and equipping Dormitory Building No. 12.

WHEREAS, the Board of Trustees of The Ohio State University (herein called the Board) is vested with the government of The Ohio State University (herein called the University or, when the context admits, collectively with the Board called the University) by Section 3335.02 of the Revised Code of Ohio, with the right, under Section 3335.03 of said Revised Code, and as such Board, of suing and being sued, contracting and being contracted with, and of making and using a common seal and, under Section 3335.10 of said Revised Code, has general supervision of all land, buildings and other property of the University and control of all expenses therefor; and

WHEREAS, by authority of Section 3345.07 of the Revised Code of Ohio, the Board is authorized to construct, equip, maintain and operate upon sites within, or in close proximity to, the campus of the University, buildings to be used as dormitories and as other suitable living quarters for students and members of the faculty and servants and wives and families of married students of said University (including all separate or connected buildings, sites, equipment, structures and utilities to be used in connection with the maintenance or operation of, or in any way supplementing or related to the services or facilities to be provided by such buildings) and to pay for the same out of any funds in its possession derived from operation of any dormitories or other living quarters under its control or out of funds borrowed therefor and

Fourth Supplemental Trust Agreement

to borrow funds for such purpose upon such terms as said Board may deem proper and issue notes or other written instruments evidencing such indebtedness provided that such indebtedness shall not be a claim against or lien upon any property of the State or any property of or under the control of said Board excepting such parts of the receipts of the operation of any dormitories under control of the Board as it may pledge to secure the payment of such indebtedness and by authority of said Section 3345.07 the Board is also authorized to issue such notes or other obligations payable as aforesaid in order to retire or refund outstanding notes or other obligations matured or unmatured, to repay moneys previously borrowed or advanced under said section or to reimburse funds of the University for amounts used under said Section 3345.07; and

WHEREAS, the University determined by resolution adopted April 8, 1957 (herein called the Original Bond Resolution) to provide for the issuance of Dormitory Revenue Bonds and pursuant to the Trust Agreement dated as of April 15, 1957 with The Ohio National Bank of Columbus (herein, with the First, Second, Third and Fourth Supplements, called the Trust Agreement), to pledge the net income of all the dormitory facilities now or hereafter under control of the University, including the dining halls constituting part thereof, and to provide in said Trust Agreement for the issuance of such Bonds (herein called the Bonds) as from time to time authorized subject to the conditions contained in said Trust Agreement and by the Original Bond Resolution and the Trust Agreement provided for the sale of an initial issue of \$12,000,000 consisting of \$6,000,000 Series A Bonds and \$6,000,000 Series B Bonds (herein called the Series A and Series B Bonds) and for the issuance from time to time as authorized by the Board of additional Bonds (herein called Additional Bonds) on a parity with said initial series of which \$2,330,000 Series C Bonds, \$2,030,000 Series D Bonds, \$5,300,000 Series E Bonds, \$1,200,000 Series F Bonds, \$1,350,000 Series G Bonds and \$2,850,000 Series H Bonds have been authorized and issued; and

Fourth Supplemental Trust Agreement

WHEREAS, there are presently outstanding \$5,765,000 principal amount of Series A Bonds, \$5,482,000 principal amount of Series B Bonds, \$2,270,000 principal amount of Series C Bonds, \$1,770,000 principal amount of Series D Bonds, \$5,300,000 principal amount of Series E Bonds, \$1,200,000 principal amount of Series F Bonds, \$1,350,000 principal amount of Series G Bonds and \$2,850,000 principal amount of Series H Bonds; and

WHEREAS, the University has not pledged or encumbered the revenues from its dormitory facilities except as provided in the Trust Agreement; and

WHEREAS, the University has determined to sell \$3,000,000 of Additional Bonds as Series I Bonds (herein called the Series I Bonds) all as provided in the Trust Agreement; and

WHEREAS, the Board by the adoption of this resolution has determined and confirmed that it is necessary to provide additional dormitory accommodations and dining facilities located on or in close proximity to the campus of the University and, accordingly, hereby declares and determines that it is immediately necessary to construct and equip an additional dormitory to be known as Dormitory Building No. 12 (said Dormitory Building No. 12 and all things incidental thereto being herein referred to as the Project); and

WHEREAS, said Project is to be constructed pursuant to plans approved by the Department of Public Works of Ohio, and prepared by the University Architect; and

WHEREAS, the University has received estimates from its architect, and, accordingly, estimates the following as the costs of the Project

Cost of Construction, including Architectural and Engineering Fees	\$2,650,000
Cost of Movable Equipment	195,000
Capitalized Interest	115,000
Contingencies, including Legal and Administrative	<u>40,000</u>
Total	\$3,000,000

and

Fourth Supplemental Trust Agreement

WHEREAS, the University has determined to borrow the funds to pay the foregoing costs, and to solicit proposals for the purchase of \$3,000,000 Dormitory Revenue Bonds, Series I, by investment bankers or others.

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of The Ohio State University:

Section 1. Purpose of Series I Bonds. It is hereby determined to be necessary to issue \$3,000,000 of Dormitory Revenue Bonds of the University pursuant to Section 3345.07 of the Revised Code of Ohio and the Trust Agreement dated as of April 15, 1957 for the purpose of paying the costs of the Project and of all things incidental thereto or incidental to the financing thereof, including repayment of moneys previously borrowed or advanced for the Project or restoring amounts used for the Project from other funds of the University available for such purposes.

Section 2. Terms of Series I Bonds. Said \$3,000,000 of Dormitory Revenue Bonds shall be issued under this Resolution, the Original Bond Resolution, and the Trust Agreement, shall be entitled "The Ohio State University Dormitory Revenue Bonds," shall be dated as determined by the Fiscal Officer of the University and shall be issued as negotiable coupon bonds registrable as to principal, in the denomination of \$1,000 or \$5,000 (but not both) as shall be requested by the Original Purchasers of such Bonds or as fully registered Bonds without coupons in the denomination of the coupon bonds or multiples thereof when and as requested by the Original Purchasers of such Bonds, shall be numbered as determined by the Fiscal Officer of the University, shall bear interest from their date, or from the last interest payment date preceding the date of issue, payable semi-annually on the fifteenth days of April and October of each year, commencing on the interest payment date next succeeding the issuance and delivery of the Bonds, at the rates stipulated in its bid by the successful bidder and approved in writing by the President or Fiscal Officer of the University, and shall mature in the following amounts on October 15 of the following years:

Fourth Supplemental Trust Agreement

1966	\$ 20,000
1967	20,000
1968	20,000
1969	20,000
1970	30,000
1971	30,000
1972	30,000
1973	30,000
1974	40,000
1975	40,000
1976	40,000
1977	40,000
1978	50,000
1979	50,000
1980	50,000
1981	60,000
1982	60,000
1983	60,000
1984	70,000
1985	70,000
1986	70,000
1987	70,000
1988	80,000
1989	80,000
1990	80,000
1991	90,000
1992	90,000
1993	100,000
1994	110,000
1995	120,000
1996	130,000
1997	140,000
1998	150,000
1999	160,000
2000	160,000
2001	170,000
2002	180,000
2003	190,000

The principal and interest of the Series I Bonds shall be payable in any coin or currency which, on the respective dates of payment, is legal tender for the payment of debts due the United States of America, at the principal office of the Trustee under the Trust Agreement (said Trustee at the time of issuance of the Series I Bonds being The Ohio National Bank of Columbus, Columbus, Ohio), or, at the option of the holder, at the principal office of the United States Trust Company of New York, in the Borough of Manhattan, City and State of New York except that interest on fully registered bonds is payable by check as provided in the Trust Agreement, and principal on fully Registered Bonds may also be payable at such additional place or places,

Fourth Supplemental Trust Agreement

at the option of the holder as shall be designated by the Fiscal Officer of the University. The Series I Bonds are subject to call for redemption prior to maturity at the option of the Board on April 15, 1974 or on any interest payment date thereafter. Each such series shall be callable in the inverse order of the maturities of the Bonds of that series at par and accrued interest to the redemption date plus redemption premiums as follows:

4% if called April 15, 1974 to October 15, 1978, inclusive
3% if called April 15, 1979 to October 15, 1983, inclusive
2% if called April 15, 1984 to October 15, 1988, inclusive
1-1/2% if called April 15, 1989 to October 15, 1993, inclusive
0% if called thereafter.

If less than all the Series I Bonds of one maturity are to be called, the Coupon Bonds or portions of fully Registered Bonds of such series and of that maturity to be called shall be chosen by lot conducted by the Trustee under the Trust Agreement. Such call for redemption shall be made by notice specifying the numbers of the Series I Bonds to be called, published by the Trustee on behalf of the University once a week for two consecutive weeks in a financial newspaper of national circulation published in the English language in New York City and in an English language newspaper of general circulation in Columbus, Ohio, the first publication to be not more than forty (40) nor less than thirty (30) days prior to the date of redemption. Any bonds thus called for redemption and for the retirement of which funds are deposited with said Trustee as provided in the Trust Agreement on or before the redemption date shall cease to bear interest on said redemption date. Except in the case of redemption of Bonds of a particular series from the surplus proceeds of that issue as provided in Section 5 of the Original Bond Resolution, no Bonds of any series may be called unless the same proportion of the outstanding Bonds of each other series, then callable, are called at the same time.

The Series I Bonds shall have such other terms and conditions and shall be issued, executed and delivered as provided by the applicable provisions of the Trust Agreement.

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Section 3. Sale of Series I Bonds. The \$3,000,000 Series I Bonds shall be offered for sale, by solicitation of proposals from investment bankers and others or by advertisement or both, to the highest bidder based on the lowest net interest cost, in such manner and on such terms as determined by the President or the Fiscal Officer of the University.

Section 4. Allocation of Proceeds of Series I Bonds. Upon the issuance and delivery of the Series I Bonds, the Fiscal Officer of the University shall forthwith establish a bank account in the name of the University designated as the "Series I Construction Fund" (herein called the "Construction Fund"). The proceeds from the sale of the Series I Bonds shall be allocated and applied by the University as follows:

(1) The portion representing accrued interest to the Debt Service Fund provided for in the original Trust Agreement to be held by the Trustee, and the portion representing premium above par paid to the University for such Bonds, to the Debt Service Reserve Fund so provided for.

(2) The balance to the Construction Fund to pay costs of the Project and to pay all incidental expenses of the Project and the financing thereof, including repayment (with interest) of money borrowed by the University for such purposes or repaying advances made by the University from other funds of the University for such purposes.

(3) Any balance remaining in the Construction Fund after payment or reimbursement of all Project costs and other amounts provided for in (2) above shall be used by the University for any purpose authorized by Section 3345.07 of the Revised Code of Ohio, or to repay advances made from other funds of the University or to repay loans obtained by the University to finance any projects authorized by said Section.

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The Fiscal Officer of the University may make withdrawals from said Construction Fund in order to make payments from such Fund authorized under the foregoing provisions of this Section. If the payment is to be made with respect to an obligation under a construction contract relating to the Project, such payment shall have been certified as due under such contract by a qualified architect or engineer.

Where the monies on deposit in the Construction Fund exceed the estimated disbursements on account of the Project for the next thirty days the Fiscal Officer of the University may invest such excess funds in direct obligations of, or obligations, the principal and interest of which are guaranteed by, the United States of America which shall mature or which shall be subject to redemption by the holder thereof at the option of such holder, not later than eighteen months after the date of such investment. Such investments and the proceeds of sale thereof shall constitute part of the Construction Fund and shall be applied to the purposes thereof. Interest on such investments may be paid to the Dormitory Revenue Fund or applied to the purposes of the Construction Fund. The said investments may be sold, exchanged or collected from time to time by the Fiscal Officer of the University.

Section 5. Additional Bonds. (a) The Board shall have the right from time to time to issue Additional Bonds under the Trust Agreement if necessary to pay the costs of completing the Project or completing any projects for which the Series I or Additional Bonds, are issued. The Trustee shall authenticate and deliver such Bonds upon (but only upon) receipt of the documents required by Section 2.03 of the Trust Agreement. Nothing herein or in the Trust Agreement shall require any

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earnings coverage, or certificate with respect thereto, in connection with Additional Bonds issued for completion of a project.

(b) The Board shall also have the right from time to time to issue Additional Bonds under the Trust Agreement to provide funds for purposes authorized by Section 3345.07 of the Revised Code of Ohio, including construction and equipment by the University of buildings to be used as dormitories or as other living quarters or the refunding of outstanding bonds or notes issued under said Section 3345.07. The Trustee shall authenticate and deliver under the Trust Agreement Additional Bonds issued under this subdivision (b) if, (but only if), when such Additional Bonds are issued, the University shall have furnished to the Trustee in addition to the documents required by Section 2.03 of the Trust Agreement, a certificate of the President and the Fiscal Officer of the University, approved by the Board of Trustees, (1) showing that (a) the actual net income from the dormitory facilities of the University (excluding net income from any dormitory facility which is to be abandoned or which is not suitable for continuous use as a dormitory facility for the term of such Additional Bonds) for the preceding fiscal year, as adjusted, if necessary, to reflect the schedule of rates and charges to become effective at the beginning of the next semester, quarter or other school period and to give recognition to any anticipated changes in operating costs; plus (b) the estimated annual net income of the dormitory facilities to be financed through the proceeds of the sale of such Additional Bonds will be equal to or greater than one and three-tenths (1.3) times the maximum amount to become due in any succeeding fiscal year for the payment of principal and interest charges on the Bonds then outstanding hereunder and on the Bonds then to be authenticated and delivered; (2) showing that, until the dormitory facility being constructed from the proceeds of the Additional Bonds, is ready for occupancy, funds then available from net income, bond proceeds, gifts, legacies, devises or grants or other sources for payment when due of principal and interest on the Bonds will be at least one and three-tenths (1.3) times the principal and interest requirements for that period; (3) showing

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that there were not included in net income any receipts against which there is any prior claim other than the use thereof for the operating expenses included in computing the net income; (4) furnishing such other information in support of the foregoing as may reasonably be requested by the Trustee; (5) showing that the computations of estimates provided for above are based on an assumed occupancy of not more than 95% of capacity of the dormitory facilities in question.

The first call date on Additional Bonds shall not be earlier than the first call date on any issue of Bonds outstanding at the time of issue of such Additional Bonds.

Section 6. Terms of the Bonds Generally. As used in this Resolution, the term "Bonds" refers to the Series A, B, C, D, E, F, G, H and I Bonds and all Additional Bonds issued on a parity therewith under the Trust Agreement. The Bonds shall be designated The Ohio State University Dormitory Revenue Bonds, shall be payable in any coin or currency which, on the respective dates of payment, is legal tender for the payment of debts due the United States of America, shall be negotiable instruments (except when registered), shall express upon their face the purpose for which they are issued, and shall be issued pursuant to Section 3345.07 of the Revised Code of Ohio. Unless otherwise provided by the Board, the Bonds shall be signed by the Chairman of the Board or bear his facsimile signature, shall be signed by the President of the University or bear his facsimile signature, shall be attested by the Secretary of the Board or by the Vice President, Business and Finance of the University, and shall be sealed with the seal of the University or a facsimile thereof, and interest coupons attached to the Bonds shall bear the facsimile signature of the Secretary of the Board or of the Vice President, Business and Finance of the University. In case any officer whose signature or a facsimile of whose signature shall appear on any Bonds or coupons shall cease to be such officer before the delivery of such Bonds, such signature or such facsimile shall nevertheless be valid and sufficient for all purposes, the same as if he had remained in office

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until such delivery. Except in the case of redemption of Bonds of a particular series from the surplus proceeds of that issue as provided in Section 5 of the Original Bond Resolution, no Bonds of any series may be called unless the same proportion of the outstanding Bonds of each other series, then callable, are called at the same time. The Additional Bonds shall bear such designations as may be necessary to distinguish them from the Series A, B, C, D, E, F, G, H and I Bonds or other Additional Bonds having different provisions and shall have maturities, interest rates, interest payment dates, redemption provisions, denominations, registration provisions, and other provisions as provided in the Resolution providing for issuance of the Additional Bonds, provided, however, that such terms and provisions shall not be inconsistent with this Resolution, the Trust Agreement or the then outstanding Bonds. On the terms provided herein, in the Trust Agreement and in the Bonds, the Bonds shall be equally and ratably payable from and secured by pledge of, the receipts from the operation of all dormitory facilities now or hereafter under control of the Board including the dining facilities constituting a part thereof, after provision for reasonable and proper expenses of operation and maintenance of such facilities; and anything in this Resolution, the Bonds or the Trust Agreement to the contrary notwithstanding, neither this Resolution, the Bonds, nor the Trust Agreement shall be a claim against or a lien upon any property of the State of Ohio or any property of or under the control of the Board except the portion of said receipts pledged as provided herein; provided, however, that nothing herein shall be deemed to prohibit the University, of its own volition, from using, or pledging, to the extent it is lawfully authorized to do so, any of its other resources or revenues for the fulfillment of any of the terms, conditions or obligations of the Trust Agreement, this Resolution, or any of the bonds.

Section 7. Covenants of the University. The University covenants with the holders of the Bonds and with the Trustee under the Trust Agreement that (a) it will adopt and maintain so long as any of the Bonds are outstanding such parietal rules, and charge and collect such rental rates and charges, from time to time, as

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may be necessary to assure such occupancy and use of, and receipts from the dormitory facilities as will pay the costs of maintenance and operation and provide for the payment of the principal of and interest on the Bonds and other payments to Special Funds required by Section 8 of this resolution; (b) from funds lawfully available, it will cause the Project and any project to be constructed from the proceeds of Additional Bonds to be completed and equipped in an efficient and economical manner with reasonable dispatch and in a manner consistent with the plans and recommendations of responsible architects and all applicable laws, ordinances and regulations; (c) subject to the right of abandonment under conditions provided in the Trust Agreement designed to prevent adverse effect of such abandonment on the expected earnings coverage of Debt Service, it will, from the dormitory receipts pledged under this resolution and as part of the operating expenses, maintain, preserve and keep the dormitory facilities in good repair, working order and operating condition and continuously operate the same on a revenue producing basis, and will apply the receipts therefrom only as provided in Section 8 of this Resolution and in the Trust Agreement; (d) it will furnish to the Trustee and the Original Purchasers of the Bonds within 120 days after the close of each fiscal year an annual report of the accounts (including each Special Fund provided for in Section 8 of this Resolution) and operations of the dormitory facilities prepared by qualified accountants approved by the Trustee; (e) it will keep proper books of record and accounts separate from all other records and accounts, in which complete and correct entries will be made of all transactions relating to the dormitory facilities and will at all reasonable times permit the Trustee, the Original Purchasers or any holder or holders of 25% of the outstanding Bonds, or their authorized representatives, to inspect the dormitory facilities and any books, documents and vouchers relating thereto; (f) it will furnish heat, light, power, water and other necessary services to the dormitory facilities at not in excess of reasonable cost; (g) it will comply with all the terms and conditions of the respective Loan

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Agreements with the Housing and Home Finance Agency as long as the United States holds any of the Series B, D, F, G and H Bonds; (h) it will insure the dormitory facilities as required by the Trust Agreement and apply the proceeds of such insurance as provided therein; and (i) it will observe and perform all its agreements and obligations provided for by the Bonds, the Trust Agreement or the Bond Resolution.

Section 8. Application of Receipts; Special Funds. There was established by the Original Bond Resolution a Special Fund designated "Dormitory Revenue Fund," which fund shall be maintained in a bank account, or invested as herein authorized, in the name of the University separate and distinct from all other funds of the University and subject to the withdrawals and uses herein authorized, is pledged to and charged with the payment of the principal, interest, and premium, if any, on all the Bonds issued under the Trust Agreement.

Under the Original Bond Resolution there shall be maintained in the Dormitory Revenue Fund, as an Operating Reserve, such amount as is from time to time certified by the Fiscal Officer of the University as adequate and necessary for working capital for operation and maintenance of the dormitory facilities; provided, that such Operating Reserve shall not exceed one-fourth of the operating and maintenance expenses of the dormitory facilities for the preceding 12 months.

All receipts from dormitory facilities now or hereafter under the control of the Board, including the dining halls constituting part thereof, shall be deposited in the Dormitory Revenue Fund.

The Dormitory Revenue Fund, including the Operating Reserve, shall be applied to pay when due all reasonable and proper expenses of operation and maintenance (as defined in Section 10) of the dormitory facilities, excluding extraordinary repair and replacement expenses payable from the Contingency Repair and Replacement Fund and expenses of or provision for depreciation or capital replacement.

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The remainder of the Dormitory Revenue Fund, after retaining therein the then current Operating Reserve and payment of said operation and maintenance expenses then due, shall be applied as provided in the Original Bond Resolution, namely, as follows and in the following order of priority:

First: Into the Debt Service Fund, to be held by the Trustee as a separate fund and used for the payment of principal and interest on the Bonds, the amounts provided in the Original Bond Resolution and in the Bond Resolutions relating to the Series C and D Bonds and Series E, F, G and H Bonds for payment of principal and interest on the series A, B, C, D, E, F, G and H Bonds and, in addition, (1) on or before April 1 and October 1 of each year an amount equal to the interest due on the next ensuing interest payment date in that year on the Series I Bonds then outstanding; provided, that, the amount so payable on any such date into the Debt Service Fund shall be reduced by the amount then remaining in said Debt Service Fund from the accrued interest and from the funds deposited therein for capitalized interest pursuant to Section 4 of this Resolution; (2) on or before April 1 and October 1 of each year, the equal semi-annual amounts necessary to provide for payment of any principal maturity in that year on the Series I Bond; (3) if Additional Bonds shall be issued under the Trust Agreement, such additional amounts and at such times as specified in the resolution authorizing such Additional Bonds, which amounts shall be not less than necessary to provide in the Debt Service Fund amounts, in addition to the amounts hereinbefore provided for the Series A, B, C, D, E, F, G, H and I Bonds, sufficient to pay in full interest and principal on all Additional Bonds then outstanding, as the same shall become due and payable provided that no payments need be made to the Debt Service Fund so long as the amounts in the Debt Service Fund and Debt Service Reserve Fund aggregate at least the total principal and interest payable on all Bonds then outstanding to the dates of their respective maturities.

Second: Into the Debt Service Reserve Fund, to be held by the Trustee as a separate fund for the payment of principal and interest on, and purchase or redemption

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of, the Bonds as herein provided, on or before April 1 and October 1 of each year and on such other dates as amounts are payable into the Debt Service Fund with respect to Additional Bonds, such amounts as are necessary to create and maintain in said Debt Service Reserve Fund the required reserve, namely, an amount equal to the maximum principal and interest requirements for any consecutive two-year period on all Bonds at the time outstanding;

Third: Into the Contingency Repair and Replacement Fund, to be held by the University as a fund separate and distinct from all other funds of the University, semi-annually on or before April 1 and October 1 of each year, or as soon thereafter as the required reserve has been established in the Debt Service Reserve Fund, an amount equal to one-quarter of one per cent of the cost of construction on all dormitory facilities then under the control of the Board and 3 per cent of the cost of movable equipment for all such dormitory facilities, which fund may be used by the University to the extent necessary for payment of principal and interest on the Bonds or for extraordinary repairs and replacements to the dormitory facilities or for construction or equipping of additional dormitory facilities;

Fourth: On April 1 and October 1 of each year, to the foregoing funds, such amounts as may be necessary to make up previous deficiency in any deposits required by the foregoing paragraphs of this section;

Fifth: So long as there is no deficiency in any of the deposits provided for in Paragraphs First through Fourth above and so long as the amounts in the Debt Service Reserve Fund are at least equal to the then required reserve, any amounts in the Dormitory Revenue Fund, after reserving therein the then current Operating Reserve, may be used for any purpose of the University for which such funds may lawfully be used.

The Debt Service Fund is irrevocably pledged to and shall be used by the Trustee for the payment of principal and interest on the Bonds and, until required for such purposes, shall be invested by the Trustee in such direct obligations of the

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United States as the President and the Fiscal Officer of the University shall direct in writing addressed to the Trustee, which writing shall determine that the maturity of the respective obligations is not later than the date on which such funds will be required for payment of such principal and interest. The Trustee shall transfer from the Debt Service Fund to the Paying Agents amounts sufficient to enable said Paying Agents to pay when due principal and interest on the Bonds, or the Trustee shall make such credit arrangements with said Paying Agents as to permit such payments.

The Debt Service Reserve Fund is irrevocably pledged to, and shall be used by the Trustee for, the payment of principal and interest on the Bonds if other available funds are insufficient for that purpose, and, to the extent herein provided, for purchase or redemption of Bonds. Until required for such purposes it shall be invested by the Trustee in such direct obligations of the United States as the President and the Fiscal Officer of the University shall direct in writing, which obligations shall mature not more than five years from the date of investment. The Trustee shall transfer from the Debt Service Reserve Fund to the Debt Service Fund such amounts as are necessary in addition to amounts available in the Debt Service Fund, including funds transferred from the Contingency Repair and Replacement Fund, to enable said Paying Agents to pay when due the principal and interest on the Bonds.

Any amounts in the Debt Service Reserve Fund in excess of the required reserve provided for in Paragraph Second above shall be used to purchase Bonds for retirement or to redeem Bonds then subject to redemption to the extent and in the manner from time to time requested in writing by the President and the Fiscal Officer of the University. In calculating at any time whether additional amounts are required to be paid into the Debt Service Reserve Fund under Paragraph Second above and in calculating the excess over the required reserve, no value shall be given to any investments of the fund other than direct obligations of the United States maturing within five years from the date of such calculation, but, in all other respects, such investments shall be valued at their face amount or market value, whichever is lower.

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The Contingency Repair and Replacement Fund is irrevocably pledged to, and shall be used by the University for, extraordinary repairs and replacements to the dormitory facilities or to construct or equip additional dormitory facilities or for the retirement of all then outstanding Bonds by purchase or redemption or for payment of the principal and interest by transfer to the Debt Service Fund as herein provided. The University shall transfer from the Contingency Repair and Replacement Fund to the Debt Service Fund such amounts as are from time to time necessary, in addition to the other amounts available in the Debt Service Fund and without use of the Debt Service Reserve Fund, to provide for the payment, when due, of the principal and interest on the Bonds and shall not use any of this fund for repairs or replacement or additional facilities if there is any deficiency in any of the deposits required to be made under subparagraphs First or Second of this Section. Until required for such purposes, the Contingency Repair and Replacement Fund may be invested by the President and the Fiscal Officer of the University in direct obligations of the United States maturing not more than five years from the date of investment.

Investments made pursuant to this Section 8 of any amounts in any Special Fund herein created and the interest thereon and the proceeds thereof shall constitute part of that Special Fund and be added to that particular fund. Such investments shall be sold, exchanged or collected from time to time as directed by the President and the Fiscal Officer of the University, and the Trustee shall be under no liability and have no responsibility in connection with such investment, or the sale, exchange or collection thereof, provided the directions of said officers are followed.

Section 9. Trust Agreement. In order to secure the payment of the principal and interest on the Bonds, the President of the University and the Chairman of the Board of Trustees, and each of them, are authorized to execute, acknowledge and deliver as may be appropriate the Fourth Supplemental Trust Agreement in substantially the form attached hereto, and the Secretary of the Board of Trustees is authorized to seal and attest the same, with such changes not unfavorable to the

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University as the officers acting shall deem advisable and as shall be approved by the Original Purchasers of the Series I Bonds. The terms and provisions of the Trust Agreement are hereby confirmed and adopted and the terms of said Trust Agreement purporting to be applicable to the Series A and Series B Bonds or to the Project to be constructed from the proceeds of the Series A and Series B Bonds shall be deemed equally applicable to the Series I Bonds and the Project covered by this Resolution to the extent that the same are not inconsistent with the terms or provisions of this Resolution and the context so permits.

Section 11. Definitions. Where the context permits, the following terms as used in this Resolution or in the Trust Agreement shall have the following meanings:

(1) "the Fiscal Officer" shall mean the Vice President, Business and Finance, of the University or any official or employee performing the duties of such officer for the time being. The Comptroller, or any official or employee performing the duties of such officer for the time being, shall also be "a Fiscal Officer" when the context so permits. (2) "Additional Bonds" shall mean Bonds issued pursuant to the Trust Agreement in addition to and on a parity with the Series A, B, C, D, E, F, G, H and I Bonds, and "Bonds" shall mean both the Series A, B, C, D, E, F, G, H and I Bonds and Additional Bonds; (3) "Agreement" or "Trust Agreement" shall refer to the Trust Agreement dated as of April 15, 1957 as from time to time supplemented pursuant to its terms; (4) "Dormitory Facilities" shall mean buildings, groups of buildings or parts of or additions to buildings, including the sites therefor, now or hereafter constructed, acquired by or under the control of the Board and authorized to be constructed, equipped, maintained and operated by Section 3345.07 of the Revised Code of Ohio, including the dormitories, additions to dormitories, dining facilities, and married student housing facilities or projects and all separate or connected buildings, sites, equipment, structures and utilities to be used in connection with the maintenance or operation of, or in any supplementing or related to the services or facilities to be provided by such buildings located on or in close proximity to the

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campus; (5) "Net Income" shall mean all receipts of the operation of dormitory facilities after deducting therefrom the reasonable and proper operating and maintenance expenses thereof; (6) "Reasonable and Proper Operating and Maintenance Expenses" shall mean ordinary and usual reasonable expenditures necessary to the operation, repair and maintenance of the dormitory facilities including, without limiting the generality of the foregoing, taxes, fees and expenses of the Trustee and paying agents and any expenses required to be paid by the Bond Resolution or the Trust Agreement, but excluding provision or expenditure for depreciation or capital replacement or expenditures for administration or regulation of the occupants of the dormitory facilities which expenditures do not constitute costs of the type included as costs of operation of the dormitory facilities under the present accounting practice of the University or expenditures for extraordinary repairs or replacements or payments to the Debt Service Fund, Debt Service Reserve Fund or Contingency Repair and Replacement Fund; (7) "Trustee" refers to the Trustee under the Trust Agreement, presently The Ohio National Bank of Columbus; (8) Any reference to an officer of the University or of the Board in this Resolution shall refer to the person holding such office or, in the event of resignation, absence, incapacity or vacancy in such office, then the person performing the duties of such office; any reference to Section 3345.07 of the Revised Code of Ohio shall, where the context permits, mean said section as it now exists and as it is from time to time amended, supplemented or affected by later legislation.

Section 11. General. The appropriate officers of the University and the Board, the architects and engineers employed by the University, and the Trustee designated in the Trust Agreement are authorized and directed to do all things necessary or proper to carry out the terms and provisions of this Resolution, the Trust Agreement and the Sale referred to in Section 3 above and to effect the execution, sale and delivery of said Series I Bonds in accordance therewith if approved by the President and Fiscal Officer of the University. It may be required as part of

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the terms of sale of the Series I Bonds that prior to or at the time of delivery the Series I Bonds there shall have been executed and delivered contracts for construction of the principal portions of the Project and provisions shall have been made for obtaining sufficient amounts to pay all costs of the Project as estimated by the Project architect. The obligations imposed upon the University under this Resolution or the Trust Agreement are established as duties specifically enjoined upon the University, the Board and the officials of the University by law and result from their respective offices, trusts or stations within the meaning of Section 2731.01 of the Revised Code of Ohio.

Whereas, the text of the Series I Bonds and the coupons, if any, to be attached thereto and the authentication certificate of the Trustee to be endorsed thereon are to be substantially as follows:

(Form of Coupon Bond)

The form of Coupon Bond shall be identical with the form of Coupon Bond set forth in the Trust Agreement dated as of April 15, 1957 except that there shall be substituted in such form in lieu of the corresponding paragraphs and Trustee's Certificate and corresponding coupon form in said Coupon Bond the following paragraphs and coupon form:

This Bond is a Series I Bond and is one of a duly authorized issue of Dormitory Revenue Bonds of the University, issued and to be issued from time to time, pursuant to Section 3345.07 of the Revised Code of Ohio and the Resolutions of the Board of Trustees of April 8, 1957 and September 13, 1963 (herein collectively called the "Bond Resolution") for the purpose of paying the costs of constructing and equipping certain dormitory facilities and secured by Trust Agreement dated as of April 15, 1957 and First, Second, Third and Fourth Supplemental Trust Agreements between the University and the above-named Trustee (herein collectively called the "Agreement").

The University hereby reserves the right to call and redeem the Bonds of this series prior to maturity as a whole, or in part, in inverse order of maturity, on any interest payment date on or after April 15, 1974, upon terms of par and accrued interest to

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the redemption date plus redemption premiums as follows: four per cent (4%) if redeemed 1974 to 1978 inclusive; three per cent (3%) if redeemed 1979 to 1983, inclusive; two per cent (2%) if redeemed 1984 to 1988, inclusive; one and one-half per cent (1 1/2%) if redeemed 1989 to 1993, inclusive; and without premium if redeemed after 1993. If less than all the Bonds (or parts of Registered Bonds) of one maturity and of one series are to be called, the Coupon Bonds or portions of fully Registered Bonds of such series and of that maturity to be called shall be chosen by lot by said Trustee. Except in the case of redemption of a particular series of bonds from surplus proceeds of that issue as provided in the Bond Resolution, no Bonds of any series may be called unless the same proportion of the outstanding Bonds of each other series, then callable, are called at the same time.

The Series A, B, C, D, E, F, G, H and I Bonds, together with such Additional Bonds as may be issued on a parity therewith under said Agreement, are, and are to be, secured only, but equally and ratably without priority one over another by reason of number or of date of Bond, sale, execution or delivery, by the Agreement, creating a prior pledge of the receipts of all dormitory facilities now or hereafter under the control of the Board of Trustees as defined in the Agreement after provision only for reasonable operating and maintenance expenses thereof.

In Witness Whereof, The Ohio State University and its Board of Trustees, jointly and severally, have caused this Bond to be signed by the facsimile signature of the Chairman of the Board of Trustees and of the President of the University and to be attested by the Vice President, Business and Finance, of the University and to bear a facsimile of the seal of the University and the interest coupons attached hereto to bear the facsimile signature of the Secretary of the Board of Trustees, all as of _____.

(Form of Trustee's Authentication Certificate) Trustee's Certificate

This Bond is one of the Bonds described in the within mentioned Trust Agreement as supplemented by Fourth Supplemental Trust Agreement dated as of April 15, 1963.

The Ohio National Bank of Columbus
Trustee

By _____
Authorized Officer

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(Form of Coupon)

On the ____ day of _____, 19____, unless the bond to which this coupon is attached has been called for previous redemption, The Ohio State University and its Board of Trustees, as such Trustees and not individually, will pay to bearer, but only from the sources and in the manner provided in the Trust Agreement dated April 15, 1957, and supplement thereto dated April 15, 1963, between the said University and said Board and The Ohio National Bank of Columbus, as Trustee, and not from the general or ordinary funds of the State of Ohio or said Board or University, on the surrender of this coupon at the principal office of The Ohio National Bank of Columbus, Columbus, Ohio, or, at the option of the holder, at the principal office of The United States Trust Company of New York in the Borough of Manhattan, City and State of New York

Dollars \$
in lawful money of the United States of America, being interest then due on The Ohio State University Dormitory Revenue Bond, Series ____ dated _____

(Facsimile Signature)

Bond No.
Coupon No.

Secretary of the Board of Trustees

(Form of Fully Registered Bond of Single Maturity)

The form of Registered Bonds without coupons of single maturity shall be identical with the form of Registered Bond set forth in the Trust Agreement dated as of April 15, 1957 except that there shall be substituted in such form in lieu of the corresponding paragraphs and Trustee's Certificate in said Registered Bond the following paragraphs:

This Bond is a Series I Bond and is one of a duly authorized issue of Dormitory Revenue Bonds of the University, issued and to be issued from time to time, pursuant to Section 3345.07 of the Revised Code of Ohio and the resolutions of the Board of Trustees of April 8, 1957 and September 13, 1963 (herein collectively called the "Bond Resolution") for the purpose of paying the costs of constructing and equipping certain dormitory facilities and secured by Trust Agreement dated as of April 15, 1957 and First, Second, Third and Fourth Supplemental Trust Agreements between the University and the above-named Trustee (herein collectively called the "Agreement").

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The University hereby reserves the right to call and redeem the Bonds of this series prior to maturity as a whole, or in part, in inverse order of maturity, on any interest payment date on or after April 15, 1974, upon terms of par and accrued interest to the redemption date plus redemption premiums as follows: four per cent (4%) if redeemed 1974 to 1978, inclusive; three per cent (3%) if redeemed 1979 to 1983, inclusive; two per cent (2%) if redeemed 1984 to 1988, inclusive; one and one-half per cent (1 1/2%) if redeemed 1989 to 1993, inclusive; and without premium if redeemed after 1993. If less than all the Bonds (or parts of registered Bonds) of one maturity and of one series are to be called, the coupon bonds or portions of fully registered bonds of such series and of that maturity to be called shall be chosen by lot by said Trustee. Except in the case of redemption of a particular series of bonds from surplus proceeds of that issue as provided in the Bond Resolution, no Bonds of any series may be called unless the same proportion of the outstanding Bonds of each other series, then callable, are called at the same time.

The Series A, B, C, D, E, F, G, H and I Bonds, together with such Additional Bonds as may be issued on a parity therewith under said Agreement, are, and are to be, secured only, but equally and ratably without priority one over another by reason of number or of date of Bond, sale, execution or delivery, by the Agreement, creating a prior pledge of the receipts of all dormitory facilities now or hereafter under the control of the Board of Trustees as defined in the Agreement after provision only for reasonable operating and maintenance expenses thereof.

(Form of Trustee's Authentication Certificate) Trustee's Certificate

This Bond is one of the Bonds described in the within mentioned Trust Agreement as supplemented by Fourth Supplemental Trust Agreement dated as of April 15, 1963.

The Ohio National Bank of Columbus
Trustee

By _____
Authorized Officer

NOW, THEREFORE, THIS SUPPLEMENTAL TRUST AGREEMENT,
WITNESSETH that in order to secure the payment of the principal of and interest
on the Bonds according to their true intent and meaning, and to secure the
performance and observance of all covenants and conditions therein and herein,

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in the Bond Resolution and in the Trust Agreement contained, and for and in consideration of the premises and of the purchase and acceptance of the Bonds by the holders thereof from time to time, and the acceptance by the Trustee of the further trusts hereby created, and for other good and valuable considerations the receipt of which is hereby acknowledged, the University has executed and delivered this Fourth Supplemental Agreement.

IN TRUST, NEVERTHELESS, upon the terms and trusts in the Trust Agreement and in this Supplement set forth for the equal and proportionate benefit and security of all present and future holders of the Bonds and appurtenant coupons issued or to be issued under and secured by the said agreements, without preference, priority or distinction, as to lien or otherwise, of any one bond or coupon over any other by reason of priority in the time of the issue or negotiation thereof or otherwise, except as may be otherwise expressly provided in said Trust Agreement.

AND IT IS HEREBY COVENANTED AND DECLARED by the University with the Trustee and its successors in the trust under the Trust Agreement for the benefit of those who shall hold such Bonds and appurtenant coupons at any time issued and outstanding under the Trust Agreement as follows:

Section 1. Incorporation of Bond Resolution. The Series I Bond Resolution is hereby made a part of this Supplement and of the Trust Agreement.

Section 2. Form, Execution and Delivery of Series I Bonds. The Series I Bonds shall be executed, authenticated and delivered as provided herein, and said Series I Bonds, the coupons to be attached thereto, and the certificate of authentication of the Trustee to be endorsed thereon shall be substantially in the form provided in the preambles hereto with any necessary modifications to conform hereto.

Section 3. Proceeds of Sale. The proceeds from the sale of the Series I Bonds shall be applied as provided in the Bond Resolution.

Fourth Supplemental Trust Agreement

Section 4. Concerning the Trustee. The Trustee hereby accepts the trusts hereby declared and provided and agrees to perform the same upon the terms and conditions in the Trust Agreement and in this or any other Supplement set forth.

The Trustee shall not be responsible in any manner whatsoever for or in respect of the validity or sufficiency of this Supplement or the due execution thereof by the University, nor for or in respect of the recitals herein contained, all of which recitals are made by the University solely. In general, each and every term and condition contained in the Original Trust Agreement shall apply to this Supplement, with such omissions, variations and modifications thereof as may be appropriate to make the same conform to this Supplement.

IN WITNESS WHEREOF, the Board of Trustees has caused this Fourth Supplemental Trust Agreement to be executed and its seal to be hereto affixed and The Ohio National Bank of Columbus, Columbus, Ohio, as Trustee, in token of its acceptance of the trusts created hereunder, has caused this Fourth Supplemental Trust Agreement to be executed and has caused its seal to be hereto affixed all as of the day and year first above written.

(Seal)	The Ohio State University and The Board of and Trustees of The Ohio State University
Attest:	By _____ President

Secretary	And By _____ Chairman of the Board
(Seal)	The Ohio National Bank of Columbus, Trustee
Attest:	By _____ Vice President

Trust Officer	

Fourth Supplemental Trust Agreement

STATE OF OHIO,

COUNTY OF FRANKLIN, SS.

On this ____ day of _____, 196__, before me a Notary Public in and for said County and State personally appeared _____ and _____, the President and the Chairman of the Board, respectively, of The Ohio State University, and acknowledged the execution of the foregoing instrument, and that the same is their voluntary act and deed on behalf of said University and its Board of Trustees and the voluntary act and deed of said University and Board of Trustees.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my official seal on the day and year aforesaid.

Notary Public

(Seal)

STATE OF OHIO

COUNTY OF FRANKLIN, SS.

On this ____ day of _____, 196__, before me a Notary Public in and for said County and State personally appeared _____ and _____, Vice President and Trust Officer respectively of The Ohio National Bank of Columbus, the bank which executed the foregoing instrument as Trustee, who acknowledged that the seal affixed to said instrument is the seal of said bank, that they did sign said instrument as such officers, respectively, for and on behalf of said bank and by authority granted in its rules and regulations and by its Board of Directors; that the same is their free act and deed as such officers, respectively, and the free act and deed of said The Ohio National Bank of Columbus.

IN WITNESS WHEREOF, I have here unto subscribed my name and affixed my official seal on the day and year aforesaid.

Notary Public

(Seal)

APPENDIX III

COMMITMENT LETTER AGREEMENT

FROM A. G. BECKER & CO.

AND

DORMITORY REVENUE NOTE

C
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P
Y

A. G. BECKER & CO.
120 South La Salle Street
Chicago 3, Illinois

C
O
P
Y

September 6, 1963

The Ohio State University
Columbus
Ohio

Attention: Mr. Gordon B. Carson, Vice President,
Business and Finance

Gentlemen:

Confirming our recent conversations, we are pleased to advise that we are willing to purchase from The Ohio State University and its Board of Trustees (herein collectively referred to as the "University") a promissory note or notes (herein referred to as the "Note") aggregating \$3,000,000, principal amount, upon the terms and conditions hereinafter set forth. Said Note is to be issued to provide interim financing required in connection with the construction and equipping of a new dormitory building on the campus of the University (known as Dormitory Building No. 12), and is to be issued in anticipation of permanent financing for the Project through the issuance by the University of \$3,000,000, principal amount of Dormitory Revenue Bonds, Series I, under and pursuant to the Trust Agreement between the University and The Ohio National Bank of Columbus, Trustee, dated as of April 15, 1957, as supplemented by proposed Fourth Supplemental Trust Agreement (herein collectively referred to as the "Trust Agreement"). Our obligation to purchase said Note in said principal amount is subject to the following conditions:

- (1) The Note is to be substantially in the form set forth in the form of note attached hereto and marked as Exhibit A. The obligation evidenced by said Note is required to be paid only from the following sources (as provided in said Exhibit A), provided, however, that the University may pay said note of its own volition from other funds lawfully available for the purpose: (a) from the proceeds of sale of the University's Dormitory Revenue Bonds, Series I, \$3,000,000 principal amount (herein referred to as the "Bonds"), or (b) from the net receipts derived from the operation of the Dormitory Facilities of the University (as defined in the Trust Agreement) after providing for the reasonable and proper expenses of operation and maintenance thereof and after all payments required to be made under the Trust Agreement to the Special Funds referred to in Section 8 of the Series I Bond Resolution.
- (2) The purchase price of said Note shall be par plus interest accrued to the date of delivery, if any; the Note shall be dated September 16, 1963; shall bear interest at the rate of 2 3/4% per annum, payable semi-annually on September 15 and March 15 of each year,

Cont'd

September 6, 1963

The Ohio State University
Columbus
Ohio

commencing March 15, 1964, shall mature on September 15, 1965, shall be issued in such denominations (in multiples of \$1,000) as we shall request and shall be numbered as determined by the Vice President, Business and Finance, of the University. If we request that such Note be printed, we shall pay all costs of printing. The notes shall be delivered at the Ohio National Bank, 51 North High Street, Columbus, Ohio, not later than September 30, 1963 against payment of the purchase price.

- (3) The furnishing to us of a transcript of proceedings evidencing approval by the Board of Trustees of this commitment letter agreement and authorization of the Note and containing a certification as to no litigation, existing or threatened, to enjoin or question the issuance of the Note or the Series I Bonds.
- (4) The furnishing to us (at our expense) of an opinion from Squire, Sanders & Dempsey that the University (a) has authority to enter into this letter agreement and to borrow pursuant to the terms hereof, (b) that under the circumstances existing at the time such opinion is rendered, said Note when executed and delivered against the principal sum thereof, constitutes the valid and binding obligation of the University in accordance with its terms, and (c) that the interest on said Note and the Bonds is exempt, under present statutes, decisions and rulings, from Federal income tax.

If the conditions of this agreement are acceptable to you, please execute the carbon copy of this letter enclosed herewith, and return it to us.

Very truly yours,

A. G. Becker & Co.
Incorporated

President

Cont'd

September 6, 1963

The Ohio State University
Columbus
Ohio

Accepted and approved by the University, this 13th day of September, 1963.

THE OHIO STATE UNIVERSITY

and

THE BOARD OF TRUSTEES OF THE
OHIO STATE UNIVERSITY

By _____
President

and _____
Vice President, Business and
Finance

EXHIBIT A

DORMITORY REVENUE NOTE

\$ _____

No. _____

KNOW ALL MEN BY THESE PRESENTS, That The Ohio State University and its Board of Trustees (hereinafter collectively called the University), for value received, hereby promise to pay to _____, or registered assigns, the sum of \$ _____ on the 15th day of September, 1965, with interest thereon from the date hereof at the rate of 2 3/4% per annum, payable semi-annually on the 15th days of September and March in each year, commencing March 15, 1964, until payment of such principal sum has been made or duly provided for. The principal and interest hereof are payable solely from (a) the proceeds of sale of the University's Dormitory Revenue Bonds, Series I to be issued and sold hereafter, and (b) the revenues of the Dormitory Facilities (as defined in the Trust Agreement between the University and The Ohio National Bank of Columbus, Trustee, dated as of April 15, 1957, as supplemented by First, Second and Third Supplemental Trust Agreements) after providing for the reasonable and proper expenses of maintenance and operation thereof and after all payments required to be made to the Special Funds referred to in said Trust Agreement. Neither this Note nor the indebtedness evidenced thereby shall be deemed to constitute a claim against or lien upon any property of the State of Ohio, or any property of or under the control of the Board, excepting the sources of payment hereinbefore mentioned, and the general credit of the University or of the State of Ohio is not pledged to the payment of this Note or the interest thereon or the performance of any duty or obligation provided for herein; provided, however, that nothing herein shall be deemed to prohibit the University from using, of its own volition, other funds held by it and lawfully available for use in paying the principal and interest hereof.

This Note is one of a series of Notes of like tenor and effect, except as to denomination, numbered consecutively commencing with No. 1, aggregating \$3,000,000, principal amount, and issued for the purpose of financing the construction and equipping a new dormitory facility at The Ohio State University, under authority of, pursuant to and in full compliance with Section 3345.07 of the Ohio Revised Code, and pursuant to a resolution of the Board of Trustees of said University duly adopted on September 13, 1963.

In consideration of the loan evidenced by this Note, the University covenants and agrees that it will do all things on its part necessary to effect the issuance and delivery of its Dormitory Revenue Bonds, Series I, at such time and in such amounts as may be necessary to pay the principal of and interest on this Note as the same becomes due, and these obligations are established as duties specifically enjoined upon the University, the Board and the officials of the University by law and result from their respective offices, trusts or stations within the meaning of Section 2731.01 of the Ohio Revised Code.

Principal is payable on presentation and surrender of this Note at the office of the Vice President, Business and Finance of the University, and interest is payable to the registered owner hereof at such office or by check or draft mailed to the registered owner at his address as it appears on the registration books of the University. This Note may be transferred only upon books kept for registration and transfer by the University, upon surrender of this Note at the office of the Vice President, Business and Finance of the University, together with an assignment duly executed by the registered owner or his attorney in form satisfactory to the University. The person in whose name this Note is registered shall be deemed and regarded as the absolute owner hereof for all purposes, and payment of or on account

Dormitory Revenue Note

of the principal and the interest hereon shall be made only upon the order of such registered owner. All such payments shall be valid and effectual to satisfy and discharge the liability upon this Note, including interest, to the extent of the sum or sums so paid.

This Note is executed on behalf of the Board of Trustees and officers of said University solely in their capacity as such Trustees and officers and shall not constitute their personal obligation either jointly or severally in their individual capacities.

AND IT IS HEREBY CERTIFIED AND RECITED, that all acts, conditions and things necessary to be done precedent to and in the issuance of this Note, in order to make it a legal, valid and binding obligation of said University and its Board of Trustees, have happened, been done and performed in regular and due form as required by law.

IN WITNESS WHEREOF, The Ohio State University and its Board of Trustees have caused this Note to be signed on their behalf by the President and the Vice President, Business and Finance, of the University, and to be attested by the Secretary of the Board and to bear the seal of the University, all as of September 16, 1963.

THE OHIO STATE UNIVERSITY

and

THE BOARD OF TRUSTEES OF THE
OHIO STATE UNIVERSITY

By _____
President

(Seal)

And by _____
Vice President, Business
and Finance

Attest:

Secretary of the Board

APPENDIX IV

DESIGNATION OF SPECIAL COUNSEL BY ATTORNEY GENERAL
IN CONNECTION WITH SALE AND ISSUANCE OF
DORMITORY REVENUE BONDS, SERIES I

DESIGNATION OF SPECIAL COUNSEL BY THE ATTORNEY GENERAL

Pursuant to recommendation of the Board of Trustees of The Ohio State University, I, William B. Saxbe, Attorney General, State of Ohio, do hereby appoint Squire, Sanders & Dempsey, Cleveland, Ohio, as special counsel to act as Bond Counsel and Project Counsel to The Ohio State University in connection with the issuance and sale of Dormitory Revenue Bonds, Series I, which are being issued to finance a new dormitory project on the campus of the University.

As Bond Counsel said firm shall assist and advise the University in the development of terms and conditions for financing of the dormitory project, prepare all necessary documents relating to such financing, including the Bond Resolution, Trust Agreement, temporary and definitive bond forms, public sale proceedings and legal portions of the prospectus, develop the necessary bond transcript, advise the Board of Trustees on the legality of all proceedings and documents relating to such financing, render an opinion as to the legality of the bonds upon their issuance and delivery and such related opinions as may be required, and supervise the program for delivery of and payment for such bonds.

As Project Counsel said firm shall assist the University in negotiations and preparation of or review of any loan agreements, applications and related papers with the Housing and Home Finance Agency or investment bankers, preparation or review of construction or architect's or engineering contracts, or proceedings in connection with the advertising, authorization or execution thereof, title matters relating to the project site, negotiations or preparation of approvals, certifications or other documents required from state officials, services on interim financing, including the rendering of an opinion thereon, and other extensive work in preparation of or review of prospectus or official statement for bidders, or preparation or review of new legislation.

Compensation for services rendered and to be rendered as Bond Counsel hereunder shall be \$1,400 plus (a) 75 cents per \$1,000 of principal amount of Series I Bonds issued, (b) 25 cents for each \$1,000 or principal amount of Series I Bonds issued in excess of \$1,000,000 but not in excess of \$10,000,000, and (c) 50 cents for each \$1,000 principal amount in excess of \$10,000,000; if no bonds are issued, reasonable compensation shall be paid by the University, but not in excess of \$2,000. Reasonable compensation shall be paid for services rendered and to be rendered as Project Counsel, based upon transcript of services as approved by the Attorney General. In addition to such compensation, counsel shall be reimbursed for their actual and necessary expenses including telephone, travel and the like incurred in the performance of their duties as Bond or Project Counsel. Such compensation and reimbursement shall be paid solely from the proceeds of the sale of Dormitory Revenue Bonds or other funds of the University lawfully available for the purpose, or if the University so desires by the purchaser of the bonds as part of the purchase price thereof.

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
NINE HUNDRED AND EIGHTY-FOURTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, November 15, 1963

The Board of Trustees met at its regular monthly meeting on Friday, November 15, 1963, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: Thomas F. Patton, Chairman, Smith L. Rairdon, Alan B. Loop, Stanley C. Allyn, John W. Bricker, Carlton S. Dargusch, John G. Ketterer, and Frederick E. Jones.

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Mr. Patton introduced the two members of the Board who were appointed by Governor James A. Rhodes pursuant to Section 3335.02, increasing the number of Board members from seven to nine.

Mr. John G. Ketterer, Canton, Ohio, for a term beginning October 18, 1963 and ending May 14, 1971.

Mr. Frederick E. Jones, Columbus, Ohio, for a term beginning October 18, 1963 and ending May 14, 1972.

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Minutes of the last meeting (September 13, 1963) were approved.

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President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Restudy of Medical Center Portion
of Campus Master Plan

The Board of Trustees, at the time of adopting the campus master plan on February 16, 1962, authorized and instructed the President "to proceed, through the Office of Campus Planning, to conduct such additional studies of feasibility, staging, and plan revision as are required for the effectuation of the plan...."

Several developments in the medical center area of the campus make a restudy of this portion of the master plan now advisable. These developments include certain changes in departmental organization, the proposed expansion of the program of paramedical studies, proposed changes in the teaching of the basic medical sciences, new concepts in patient care and hospital design, the completion of the Wilbur Smith parking study, and certain preliminary investigations of ways of reducing the University's land acquisition needs in the area.

Arrangements have been made for the proposed restudy by the Office of Campus Planning in cooperation with the College of Medicine and the other colleges concerned and with the assistance of the following consultants as needed:

1. The Firm of Herman Smith, Chicago, Illinois. (Hospital Consultants)
2. Louis F. Karlsberger and Associates, Columbus, Ohio. (Architects)
3. Caudill, Rowlett and Scott, Houston, Texas. (Planning Consultants)
4. Wilbur Smith and Associates, New Haven, Connecticut. (Consulting Engineers--Parking)

It is recommended that the Board of Trustees approve the restudy of the medical center portion of the campus master plan with the understanding that the fees and expenses of consultants in an amount not to exceed \$16,000.00 will be paid from funds now available to the Office of Campus Planning and the College of Medicine.

Upon motion of Mr. Allyn, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

November 15, 1963 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

B. Revision of Rule 29. 2713 (Faculty Advisory Committee to the President and the Board of Trustees) of Rules for the University Faculty

On October 8, 1963 the Faculty Council approved a proposal from the Committee on Rules that the procedure for nominating a person for election to the Faculty Advisory Committee to the President and the Board of Trustees be revised as follows:

Delete the second sentence of Section 2 of Rule 29. 2713 and insert in place thereof the following:

Each faculty member may nominate one member of the University Faculty for membership on the Committee, regardless of the number of vacancies to be filled.

It is therefore recommended that this action of the Faculty Council be approved.

Upon motion of Mr. Bricker, seconded by Mr. Rairdon, the Board of Trustees by unanimous roll call vote approved the above recommendation, and the Secretary was authorized to revise Rule 29. 2713 of Rules for the University Faculty accordingly.

C. Fiftieth Anniversary for the College of Medicine and the College of Dentistry

The Executive Committees of the College of Medicine and the College of Dentistry through the respective Deans have proposed that the year 1964 be officially designated by the Board of Trustees as the Fiftieth Anniversary for these Colleges on The Ohio State University campus. On January 27, 1914 the Board of Trustees approved a resolution establishing the above named Colleges pursuant to an act of the 80th General Assembly of the State of Ohio. The instrument transferring the Starling-Ohio Medical College to The Ohio State University was ratified by the Board of Trustees on March 19, 1914.

It is therefore recommended that the proposal to designate the year 1964 as the Fiftieth Anniversary of the College of Medicine and the College of Dentistry be approved.

Upon motion of Mr. Loop, seconded by Mr. Bricker, the above recommendation was unanimously approved by roll call vote.

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II. PERSONNEL CHANGES

It is recommended that all personnel changes since the September 13, 1963 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Leaves of Absence With Salary and Leaves of Absence Without Salary:

November 15, 1963 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

A. Leaves of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 12, 1954, the following-named persons are recommended for Leaves of Absence With Salary from the Agricultural Extension Service for the period indicated:

George W. Hothem, Instructor (County Extension Agent, 4-H)
Carroll County, January 1, 1964 through March 15, 1964, to
study at The Ohio State University.

James W. Marquand, Instructor (County Extension Agent, 4-H)
Tuscarawas County, January 1, 1964 through March 15, 1964,
to study at The Ohio State University.

Edwin J. Royer, Instructor (Extension Specialist, Fruit and
Vegetable Marketing), January 1, 1964 through March 15, 1964,
to study at The Ohio State University.

Edgar P. Watkins, Instructor (Area Extension Agent, Marketing),
January 1, 1964 through March 15, 1964, to study at Kent State
University.

B. Leaves of Absence Without Salary

Russell W. Leedy, Professor, School of Social Work, October 1,
1963 through September 30, 1964, to teach at Catholic University.

Robert E. Stewart, Professor and Chairman (part time - 18%),
Agricultural Extension Service, and Professor and Chairman
(part time - 43%), Agricultural Engineering, November 1, 1963
through November 30, 1963, to serve as a consultant with the
Ford Foundation to make a study of the Agricultural Engineering
Department at the Punjab Agricultural College, Ludhiana, India.

Frank R. Silbajoris, Associate Professor, Slavic Languages and
Literatures, October 1, 1963 through September 30, 1964, to
serve as an exchange professor under a program of the United
States Department of State.

Sten Erik Drugge, Instructor, Economics, October 1, 1963 through
December 31, 1963, to work on his Ph.D. degree.

Fern E. Hunt, Instructor, School of Home Economics, November 1,
1963 through June 30, 1964, to study for her Ph.D. degree.

Geneva H. Nolan, Instructor (County Extension Agent, Home
Economics) Meigs County, indefinite leave of absence, November 1,
1963, because of ill health.

Upon motion of Mr. Rairdon, seconded by Mr. Loop, the Leaves of Absence With Salary, Leaves of Absence Without Salary, and the personnel changes recorded in the official "Salary Roll" of the University were unanimously approved by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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November 15, 1963 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS

A. The Ohio State University and The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

1. Government Contracts - Federal

- a-1. Department of Health, Education and Welfare, Bureau of State Service, Washington 25, D. C., for an Investigation of Effect of Certain Antibiotics Upon Microflora and Enzymes in Milk (to be known as Bureau of State Service Project No. 547 - Ext. #10 - Department of Dairy Technology).
Gross Value - \$13,342.00.
- a-2. Department of the Navy, Office of Naval Research, Washington 25, D. C., for Research on the Production of Clinical Radiographs by Means of Compact, Low-energy and High-intensity Radioactive Sources (to be known as Office of Naval Research Project No. 834 - Amend. #10 - Department of Physics and College of Dentistry).
Gross Value - \$13,500.00.
- a-3. Department of Health, Education and Welfare, Bureau of State Service, Washington 25, D. C., for an Investigation of Physiological and Pathological Effects of Vibration (to be known as Bureau of State Service Project No. 862 - Ext. #5 - Department of Preventive Medicine).
Gross Value - \$103,826.00.
- a-4. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for An Investigation of ORNITHOGALUM UMBELLATUM (to be known as National Institutes of Health Project No. 867 - Ext. #5 - College of Pharmacy).
Gross Value - \$8,800.00.
- a-5. Department of Health, Education and Welfare, Bureau of State Service, Washington 25, D. C., for an Investigation of Influence of Antibiotic Feeding on Poultry Products (to be known as Bureau of State Service Project No. 871 - Ext. #5 - Department of Microbiology).
Gross Value - \$15,713.00.
- a-6. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Phospholipide Metabolism in Relation to Cell Division (to be known as National Institutes of Health Project No. 911 - Ext. #5 - Institute of Nutrition and Food Technology).
Gross Value - \$17,452.00.

November 15, 1963 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- a-7. Department of the Navy, Office of Naval Research, Washington, D. C., for an Investigation of Properties of Non-Metallic Solids at Low Temperatures, By Use of Nuclear Magnetic Resonance Techniques (to be known as Office of Naval Research Project No. 989 - Amend. #8 - Department of Physics).
Gross Value - \$17,500.00.
- a-8. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Psychophysiology of Congenital Retinal Disease (to be known as National Institutes of Health Project No. 992 - Ext. #4 - Institute for Research in Vision).
Gross Value - \$23,248.00.
- a-9. Department of the Navy, Office of Naval Research, Washington 25, D. C., for an Investigation of Voice Communication (to be known as Office of Naval Research Project No. 1002 - Amend. #8 - Department of Speech).
Gross Value - \$14,772.00.
- a-10. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Factors Influencing Experimental Cancer of Uterus (to be known as National Institutes of Health Project No. 1005 - Ext. #4 - Department of Pathology).
Gross Value - \$22,988.00.
- a-11. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Services in Support of Research on the Chemistry of Fuels and Propulsion (to be known as Aeronautical Systems Division Project No. 1077 - Mod. #9 - RF Internal Supervision).
Gross Value - \$150,000.00.
- a-12. Headquarters, Electronic Systems Division, AFSC, Laurence G. Hanscom Field, Bedford, Massachusetts, for Study of Emission Spectra by Phase-discrimination Methods (to be known as Electronic Systems Division Project No. 1078 - Mod. #8 - Department of Physics).
Gross Value - \$25,000.00.
- a-13. U. S. Army Medical Research and Development Command, Office of the Surgeon General, Washington, D. C., for A Study on the Metal Complexes of Polyfunctional 2-Aminothiols (to be known as Office of the Surgeon General Project No. 1092 - Mod. #8 - Department of Chemistry).
Gross Value - \$17,452.00.

November 15, 1963 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- a-14. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Metabolism in the Hypothermic By-Passed Heart (to be known as National Institutes of Health Project No. 1100 - Ext. #3 - Department of Surgery).
Gross Value - \$39,906.00.
- a-15. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Tissue Enzymes in Rheumatic Diseases (to be known as National Institutes of Health Project No. 1106 - Sup. #1 - Department of Medicine).
Gross Value - \$7,414.00.
- a-16. Rome Air Development Center, AFSC, Griffiss Air Force Base, New York, for (U) Absorption of Electromagnetic Energy by Nose Cones (to be known as Rome Air Development Center Project No. 1107 - Sup. #8 - Department of Electrical Engineering).
Gross Value - \$11,963.00.
- a-17. Electronic Systems Division, AFSC, Laurence G. Hanscom Field, Bedford, Massachusetts, for A Theoretical Study of the Modification in Echo Area of Space Vehicles Due to Their Local Space Environment (to be known as Electronic Systems Division Project No. 1116 - Mod. #8 - Department of Electrical Engineering).
Gross Value - \$60,000.00.
- a-18. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Biogenesis of Oligosaccharides Containing Galactose (to be known as National Institutes of Health Project No. 1165 - Ext. #3 - Department of Agricultural Biochemistry).
Gross Value - \$28,909.00.
- a-19. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Effect of Antimetabolites on the Chick Embryo (to be known as National Institutes of Health Project No. 1168 - Ext. #3 - Department of Poultry Science).
Gross Value - \$13,518.00.
- a-20. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Hormonal Regulations of Cellular Processes (to be known as National Institutes of Health Project No. 1172 - Ext. #3 - Department of Agricultural Biochemistry).
Gross Value - \$19,885.00.

November 15, 1963 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- a-21. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Tumor Necrotizing Activity of Tuberous Begonias (to be known as National Institutes of Health Project No. 1338 - Ext. #2 - College of Pharmacy).
Gross Value - \$7,770.00.
- a-22. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Pancreatic Hormonal Influence on Gastric Secretion (to be known as National Institutes of Health Project No. 1344 - Ext. #2 - Department of Surgery).
Gross Value - \$77,174.00.
- a-23. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for a Cooperative Study of Renovascular Hypertension (to be known as National Institutes of Health Project No. 1346 - Ext. #2 - Department of Surgery).
Gross Value - \$38,046.00.
- a-24. Department of Health, Education and Welfare, Public Health Service, Bureau of State Service, Washington 25, D. C., for Study of Passenger Health Problems in Jet Air Travel (to be known as Bureau of State Service Project No. 1357 - Ext. #2 - Department of Preventive Medicine).
Gross Value - \$35,210.00.
- a-25. Department of Health, Education and Welfare, Public Health Service, Bureau of State Service, Washington 25, D. C., for an Investigation of the Use of Benzimidazoles as Food Additives (to be known as Bureau of State Service Project No. 1360 - Ext. #2 - Department of Poultry Science).
Gross Value - \$15,051.00.
- a-26. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Experimental Portal Hypertension (to be known as National Institutes of Health Project No. 1364 - Ext. #2 - Department of Surgery).
Gross Value - \$10,800.00.
- a-27. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Contributive Research in Thermo-mechanics (to be known as Aeronautical Systems Division Project No. 1401 - Sup. #2 - RF Internal Supervision).
Gross Value - \$126,080.00.

November 15, 1963 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- a-28. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Treatment of Malignant Neoplasms in Domestic Animals (to be known as National Institutes of Health Project No. 1403 - Ext. #2 - Departments of Veterinary Surgery and Radiology). Gross Value - \$22,716.00.
- a-29. Department of Health, Education and Welfare, Office of Education, Washington 25, D. C., for A Study to Evaluate Two Methods Using Magnetic Tape Recordings for the Self-Instructional Presentation of the Elemental Materials of Music (to be known as Office of Education Project No. 1407 - Ltr. 8/23/63 - School of Music). Gross Value - \$7,100.00.
- a-30. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for a Study of Hard Dental Tissues and Restorative Materials (to be known as National Institutes of Health Project No. 1410 - Ext. #2 - College of Dentistry). Gross Value - \$5,635.00.
- a-31. Department of Health, Education and Welfare, Office of Education, Washington, D. C., for an Investigation of the Role of Colleges and Universities in the Education of the Aged (to be known as Office of Education Project No. 1419 - Amend. #1 - Bureau of Educational Research and Service). Gross Value - \$750.00.
- a-32. National Science Foundation, Washington, D. C., for an Investigation of Ice Surface Movements on the Rockefeller Plateau (to be known as National Science Foundation Project No. 1444 - Amend. #1 - Institute of Polar Studies and Department of Geodetic Science). Gross Value - \$3,940.00.
- a-33. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Technical Services to Provide Intermittent Research Analysis on Materials and Associated Problems (to be known as Aeronautical Systems Division Project No. 1473 - C. O. #3 - RF Internal Supervision). Gross Value - \$145,000.00.
- a-34. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Sternberg-Reed Cells in Blood of Hodgkin's Patients (to be known as National Institutes of Health Project No. 1488 - Ext. #1 - Department of Medicine). Gross Value - \$9,739.00.

November 15, 1963 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- a-35. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Studies on Myocardial Metabolism and Contractility (to be known as National Institutes of Health Project No. 1496 - Ext. #1 - Department of Medicine).
Gross Value - \$19,932.00.
- a-36. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for A Phytochemical Study of the Genus *Thalictrum* (to be known as National Institutes of Health Project No. 1497 - Ext. #1 - College of Pharmacy).
Gross Value - \$12,060.00.
- a-37. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Origin of Alkaline Phosphatase in Surgical Jaundice (to be known as National Institutes of Health Project No. 1499 - Ext. #1 - Department of Surgery).
Gross Value - \$18,180.00.
- a-38. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Chemical Reactions of Coordinated Functional Groups (to be known as National Institutes of Health Project No. 1501 - Ext. #1 - Department of Chemistry).
Gross Value - \$22,536.00.
- a-39. Department of Health, Education and Welfare, Bureau of State Service, Washington 25, D. C., for an Investigation of Effect of Food Processing on Radioactive Fallout (to be known as Bureau of State Service Project No. 1502 - Ext. #1 - Department of Horticulture and Forestry).
Gross Value - \$21,101.00.
- a-40. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Modes of "Arousal" and Discrimination Efficiency (to be known as National Institutes of Health Project No. 1504 - Ext. #1 - Department of Psychology).
Gross Value - \$5,624.00.
- a-41. U. S. Army Biological Laboratories, Fort Detrick, Frederick, Maryland, for Salivary Studies on Mosquitoes (to be known as U. S. Army Biological Laboratories Project No. 1510 - Mod. #3 - Department of Zoology and Entomology).
Gross Value - \$10,000.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- a-42. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Psycho-physiological Changes Following Septal Damage (to be known as National Institutes of Health Project No. 1517 - Ext. #1 - Department of Psychiatry).
Gross Value - \$15,202.00.
- a-43. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Effects of Hypothermic Drugs on Behavior (to be known as National Institutes of Health Project No. 1523 - Ext. #1 - College of Pharmacy).
Gross Value - \$5,904.00.
- a-44. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Operant Conditioning in Retardates (to be known as National Institutes of Health Project No. 1524 - Ext. #1 - Department of Psychiatry).
Gross Value - \$6,049.00.
- a-45. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Molecular Interactions of Biochemical Interest (to be known as National Institutes of Health Project No. 1539 - Ext. #1 - College of Pharmacy).
Gross Value - \$6,891.00.
- a-46. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Mechanism of Biosynthesis of Heteropolysaccharides (to be known as National Institutes of Health Project No. 1541 - Ext. #1 - Department of Agricultural Biochemistry).
Gross Value - \$17,663.00.
- a-47. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Modes of Action of Tetracycline Antibiotics (to be known as National Institutes of Health Project No. 1554 - Ext. #1 - Department of Agricultural Biochemistry).
Gross Value - \$19,105.00.
- a-48. U. S. Army Biological Laboratories, Fort Detrick, Frederick, Maryland, for an Investigation of Mixed Aerosol Infections in Monkeys (to be known as U. S. Army Biological Laboratories Project No. 1576 - Mod. #4 - Department of Medicine).
Gross Value - \$33,000.00.

November 15, 1963 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- a-49. Headquarters, Electronic Systems Division, AFSC, Laurence G. Hanscom Field, Bedford, Massachusetts, Perform Research on the Spectroscopy of the Far Infrared Region (to be known as Electronic Systems Division Project No. 1577 - Mod. #3 - Department of Physics).
Gross Value - \$25,000.00.
- a-50. Department of Health, Education and Welfare, Office of Education, Washington 25, D. C., for an Investigation of the Influence of Vision Training Upon the Subsequent Reading Achievement of Fourth Grade Children (to be known as Office of Education Project No. 1603 - Amend. #1 - Department of Psychology).
Gross Value - \$25,608.00.
- a-51. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research on the Properties of Electronic and Magnetic Materials at Cryogenic Temperatures (to be known as Aeronautical Systems Division Project No. 1620 - C. O. #2 - Department of Physics).
Gross Value - \$23,480.00.
- a-52. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Pharmacologic Effects Upon Single Nerve Cell Systems (to be known as National Institutes of Health Project No. 1626 - Ext. #1 - Department of Psychiatry).
Gross Value - \$17,958.00.
- a-53. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Neuro-respiratory Reflexes (to be known as National Institutes of Health Project No. 1627 - Ext. #1 - Department of Psychiatry).
Gross Value - \$3,414.00.
- a-54. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Genetic Basis of Behavior Differences (to be known as National Institutes of Health Project No. 1633 - Ext. #1 - Department of Zoology and Entomology).
Gross Value - \$17,520.00.
- a-55. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Intermittent Research Analysis Services in Flight Control (to be known as Aeronautical Systems Division Project No. 1635 - Mod. #1 - RF Internal Supervision).
Gross Value - \$29,189.34.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- a-56. Department of the Navy, Office of Naval Research, Washington 25, D. C., for The Development of a Methodology for the Analysis of Complex Man-Machine Systems (to be known as Office of Naval Research Project No. 1643 - Amend. #2 - Engineering Experiment Station).
Gross Value - \$7,619.00.
- a-57. Aeronautical Systems Division, AFSC, Wright-Patterson Air Force Base, Ohio, for Research on Hypersonic Aerothermodynamics Simulation in Rarefied Flows (to be known as Aeronautical Systems Division Project No. 1657 - Mod. #1 - Department of Aeronautical and Astronautical Engineering).
Gross Value - \$31,394.00.
- a-58. Headquarters, Aeronautical Chart and Information Center, USAF, Second & Arsenal, St. Louis, Missouri, for Collection, Reduction, Processing and Evaluation of Gravity Data (to be known as Aeronautical Chart and Information Center Project No. 1668 - Mod. #2 - Department of Geodetic Science).
Gross Value - \$74,620.00.
- a-59. Classified Program (to be known as Classified Program Project No. 1675 - C. O. #1 - Department of Electrical Engineering).
Gross Value - \$124,320.00.
- a-60. National Science Foundation, Washington 25, D. C., for an Investigation of High-Resolution Infrared Spectra of Polyatomic Molecules (to be known as National Science Foundation Project No. 1692 - New - Department of Physics).
Gross Value - \$43,800.00.
- a-61. Headquarters, Electronic Systems Division, AFSC, Laurence G. Hanscom Field, Bedford, Massachusetts, Conduct Studies in Radio Astronomy (to be known as Electronic Systems Division Project No. 1703 - New - Department of Electrical Engineering).
Gross Value - \$20,000.00.
- a-62. National Science Foundation, Washington 25, D. C., for an Investigation of Schiff Bases: Their Metal Complexes and Role in Non-Enzymatic Transamination (to be known as National Science Foundation Project No. 1704 - New - Department of Chemistry).
Gross Value - \$56,300.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- a-63. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research and Development in Aerospace Environmental Physiological Stresses (to be known as Aeronautical Systems Division Project No. 1705 - New - Department of Preventive Medicine).
Gross Value - \$7,628.00.
- a-64. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for a Survey of Cerebrovisceral Physiology in the USSR (to be known as National Institutes of Health Project No. 1706 - New - Department of Psychiatry).
Gross Value - \$29,340.00.
- a-65. National Science Foundation, Washington 25, D. C., for an Investigation of Thermodynamic Approach to the Strength of Soils (to be known as National Science Foundation Project No. 1707 - New - Department of Civil Engineering).
Gross Value - \$18,800.00.
- a-66. National Science Foundation, Washington 25, D. C., for a Kinetic Examination of Phosphoglucose Isomerase Catalyzed Reaction (to be known as National Science Foundation Project No. 1708 - New - Department of Agricultural Biochemistry).
Gross Value - \$22,000.00.
- a-67. Department of Defense, Office of Civil Defense, Washington, D. C., for Studies of Organizational Functioning in Disaster (to be known as Office of Civil Defense Project No. 1709 - New - Department of Sociology and Anthropology).
Gross Value - \$52,000.00.
- a-68. Department of Health, Education and Welfare, Office of Education, Washington 25, D. C., for An Analysis and Projection of Research in Teacher Education (to be known as Office of Education Project No. 1711 - New - Department of Education).
Gross Value - \$14,529.00.
- a-69. Department of Health, Education and Welfare, Office of Education, Washington 25, D. C., for Development of a Taxonomy for the Classification of Teacher Classroom Behavior (to be known as Office of Education Project No. 1712 - New - Department of Education).
Gross Value - \$91,722.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- a-70. National Aeronautics and Space Administration, Washington 25, D. C. , for Development of Booklets on Guidance in Space Science and Technology for Elementary, Junior and Senior High Schools (to be known as National Aeronautics and Space Administration Project No. 1713 - New - Department of Education).
Gross Value - \$14,007.00.
- a-71. National Science Foundation, Washington 25, D. C. , for Synthesis and Studies of Boron Heterocycles and Derivatives (to be known as National Science Foundation Project No. 1714 - New - Department of Chemistry).
Gross Value - \$50,500.00.
- a-72. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Salt and Water in Connective Tissue Swelling (to be known as National Institutes of Health Project No. 1715 - New - Department of Physiology).
Gross Value - \$5,311.00.
- a-73. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Digital Analysis of Physiological Control Systems (to be known as National Institutes of Health Project No. 1716 - New - Department of Physiology).
Gross Value - \$48,290.00.
- a-74. AF Institute of Technology, Air University, USAF, Wright-Patterson Air Force Base, Ohio, for Research and Services to Revise and Present Courses of Instruction in the School of Systems and Logistics and in Executive Engineering for the Civil Engineering Center (to be known as AF Institute of Technology Project No. 1717 - New - Defense Management Center).
Gross Value - \$706,402.00.
- a-75. Defense Supply Agency, Defense Construction Supply Center, P. O. Box 2059, Columbus, Ohio, for Services as Part of Training Course in "Middle Management" (to be known as Defense Construction Supply Center Project No. 1718 - New - Defense Management Center).
Gross Value - \$4,536.00.
- a-76. Department of Health, Education and Welfare, Office of Education, Washington 25, D. C. , for a Survey of Printed Materials on Conservation (to be known as Office of Education Project No. 1719 - New - Department of Zoology and Entomology).
Gross Value - \$56,184.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- a-77. Department of Health, Education and Welfare, Bureau of State Service, Washington 25, D. C., for an Investigation of Effects of Pesticides on Reproductive Success of Mice (to be known as Bureau of State Service Project No. 1720 - New - Department of Zoology and Entomology).
Gross Value - \$18,087.00.
- a-78. National Science Foundation, Washington 25, D. C., for Purchase of Seven Chemical Research Instruments (to be known as National Science Foundation Project No. 1721 - New - Department of Chemistry).
Gross Value - \$26,500.00.
- a-79. U. S. Army Research Office (Durham), Box CM, Duke Station, Durham, North Carolina, for an Investigation of 2367-C - Stabilized Carbanions (to be known as U. S. Army Research Office (Durham) Project No. 1723 - New - Department of Chemistry).
Gross Value - \$39,822.00.
- a-80. Air Force Office of Scientific Research, Office of Aerospace Research, Washington 25, D. C., for an Investigation of the Spectrum of the G9 Giant Star Epsilon Virginis (to be known as Air Force Office of Scientific Research Project No. 1724 - New - Department of Astronomy).
Gross Value - \$11,231.00.
- a-81. U. S. Army Research Office (Durham), Box CM, Duke Station, Durham, North Carolina, for an Investigation of 4486-CHEM - Transition Metal Complexes with Two New Series of Tetradentate Ligands (to be known as U. S. Army Research Office (Durham) Project No. 1725 - New - Department of Chemistry).
Gross Value - \$38,112.00.
- a-82. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Behavior Following Rearing in a "Random" Environment (to be known as National Institutes of Health Project No. 1726 - New - Department of Psychology).
Gross Value - \$24,972.00.
- a-83. National Science Foundation, Washington 25, D. C., for Glaciological Maps of Antarctic (to be known as National Science Foundation Project No. 1727 - New - Institute of Polar Studies).
Gross Value - \$6,300.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- a-84. Department of Health, Education and Welfare, Office of Education, Washington, D. C. , for Development of Economic Curricular Materials for Secondary Schools (to be known as Office of Education Project No. 1744 - New - Bureau of Educational Research and Service).
Gross Value - \$221,263.00.
- a-85. Cleveland Procurement District, U. S. Army, 1367 East 6th Street, Cleveland, Ohio, for Research Study on Soil Sinkage Stress Strain Relations (to be known as Cleveland Procurement District No. 1745 - New - Department of Civil Engineering).
Gross Value - \$17,430.00.
- a-86. Air Force Missile Development Center, P. O. Box 393, Holloman AFB, New Mexico, for Studies on the Hemodynamic Effects of Gravitational Forces on the Chimpanzee (to be known as Air Force Missile Development Center Project No. 1746 - New - Department of Medicine).
Gross Value - \$17,500.00.
- a-87. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Carbonic Anhydrase in Endometrial Tissue (to be known as National Institutes of Health Project No. 1747 - New - Department of Obstetrics and Gynecology).
Gross Value - \$11,830.00.
- a-88. Department of Health, Education and Welfare, Public Health Service, Bureau of State Services, Washington, D. C. , for Clinical Application of (Replacement) Techniques in Speech and Hearing (to be known as Bureau of State Services Project No. 1748 - New - Department of Speech).
Gross Value - \$10,076.00.
- a-89. Aeronautical Systems Division, AFSC, Wright-Patterson Air Force Base, Ohio, for Research on Phase Equilibria Approach to Growth of Doped Single Crystals of Refractory Compounds (to be known as Aeronautical Systems Division Project No. 1750 - New - Department of Mineralogy).
Gross Value - \$11,651.00.
- a-90. Aeronautical Systems Division, AFSC, Wright-Patterson Air Force Base, Ohio, for Research on Integrated Radome-Scanner Design Techniques (to be known as Aeronautical Systems Division Project No. 1751 - New - Department of Electrical Engineering).
Gross Value - \$54,686.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- a-91. National Science Foundation, Washington, D. C., for an Investigation of Structural Aspects of Montmorillonites (to be known as National Science Foundation Project No. 1752 - New - Department of Mineralogy).
Gross Value - \$9,820.00.
- a-92. Department of Health, Education and Welfare, Office of Education, Washington, D. C., for Development of a National Register of Educational Researchers (to be known as Office of Education Project No. 1753 - New - Bureau of Educational Research and Service).
Gross Value - \$28,240.00.
- a-93. National Science Foundation, Washington, D. C., for a Structural Investigation of Polysaccharides (to be known as National Science Foundation Project No. 1755 - New - Department of Chemistry).
Gross Value - \$43,200.00.
- a-94. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Chondroitin Sulfate in Cervical Tissue (to be known as National Institutes of Health Project No. 1756 - New - Department of Obstetrics and Gynecology).
Gross Value - \$8,236.00.
- a-95. Department of Health, Education and Welfare, Office of Education, Washington, D. C., for Evaluation and Synthesis of Research Studies Relating to Music Education (to be known as Office of Education Project No. 1757 - New - School of Music).
Gross Value - \$38,905.00.
- a-96. Electronic Systems Division, AFSC, Laurence G. Hanscom Field, Bedford, Massachusetts, for Research Directed Toward Determination of Radiative Properties and Composition of the Atmosphere (to be known as Electronic Systems Division Project No. 1758 - New - Department of Physics).
Gross Value - \$25,000.00.
- a-97. U. S. Department of the Interior, Fish and Wildlife Service, Bureau of Commercial Fisheries, 2309 Columbus Avenue, Sandusky, Ohio, for Research Computer Services in Connection with the Study "The Variability of Trawl Catches in Western Lake Erie" (to be known as Bureau of Commercial Fisheries Project No. 1759 - New - Department of Economics).
Gross Value - \$2,100.00.

TOTAL - Government Contracts - Federal \$3,629,878.34

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and

The Ohio State University Research Foundation

2. Industrial and Other Contracts

- a-1. Westreco, Inc., Box 146, Ridgeway Center Building, Stamford, Connecticut, for an Investigation of Carbohydrates of the Coffee Bean (to be known as Westreco, Inc. Project No. 878 - Ext. #6 and Ext. #7 - Department of Chemistry).
Gross Value - \$6,977.00.
- a-2. The Petroleum Research Fund, American Chemical Society, 1155 - 16th Street, N. W., Washington 6, D. C., for an Investigation of Synthesis of Highly-Strained Unsaturated Small Ring Compounds (to be known as The Petroleum Research Fund Project No. 938 - Ext. #2 - Department of Chemistry).
Gross Value - \$15,600.00.
- a-3. The Regents of the University of Wisconsin, Madison 6, Wisconsin, for Drug Evaluation Program of the CCNSC in the Central Region, USA (to be known as The Regents of the University of Wisconsin Project No. 1395 - Check #C092923 and Check #C097404 - Department of Surgery).
Gross Value - \$4,734.00.
- a-4. Health Research, Inc., Rosewell Park Division, 666 Elm Street, Buffalo, New York, for Breast Adjuvant Study (to be known as Health Research, Inc. Project No. 1569 - Check #18037 - Department of Surgery).
Gross Value - \$750.00.
- a-5. North American Aviation, Inc., Columbus Division, 4300 West Fifth Avenue, Columbus, Ohio, for Hypersonic Wind Tunnel Tests (to be known as North American Aviation, Inc. Project No. 1682 - New - Department of Aeronautical and Astronautical Engineering).
Gross Value - \$13,782.00.
- a-6. Hospital Care Corporation, 1361 Taft Road, Cincinnati, Ohio, for an Investigation of Physician's Attitudes Toward Health Economics (to be known as Hospital Care Corporation Project No. 1710 - New - Department of Sociology and Anthropology).
Gross Value - \$12,612.00.
- a-7. Wisconsin-Minnesota Artificial Insemination Cooperatives, P. O. Box 469, Shawano, Wisconsin, for Research in Livestock Cytogenetics (to be known as Wisconsin-Minnesota Artificial Insemination Cooperatives Project No. 1722 - New - Department of Dairy Science).
Gross Value - \$2,000.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- a-8. Central Ohio Heart Association, 3416 North High Street, Columbus, Ohio, for an Analysis of the Physiologic Volumes Comprising the Central Venous Volume (to be known as Central Ohio Heart Association Project No. 1728 - New - Department of Veterinary Physiology and Pharmacology).
Gross Value - \$4,263.00.
- a-9. Central Ohio Heart Association, 3416 North High Street, Columbus, Ohio, for an Investigation of Cardiovascular Sounds in the Horse (to be known as Central Ohio Heart Association Project No. 1729 - New - Department of Veterinary Physiology and Pharmacology).
Gross Value - \$6,346.00.
- a-10. Central Ohio Heart Association, 3416 North High Street, Columbus, Ohio, for an Investigation of Receptor Function of Internal Organs in Reflex Regulation of Blood Pressure (to be known as Central Ohio Heart Association Project No. 1730 - New - Department of Psychiatry).
Gross Value - \$4,373.25.
- a-11. Central Ohio Heart Association, 3416 North High Street, Columbus, Ohio, for Angiographic Studies of Cerebral Circulation (to be known as Central Ohio Heart Association Project No. 1731 - New - Department of Surgery).
Gross Value - \$7,140.00.
- a-12. Central Ohio Heart Association, 3416 North High Street, Columbus, Ohio, for an Evaluation of Spatial Magnitude and Spatial Velocity Electrocardiograms in Humans and in Dogs (to be known as Central Ohio Heart Association Project No. 1732 - New - Department of Veterinary Physiology and Pharmacology).
Gross Value - \$3,365.25.
- a-13. Central Ohio Heart Association, 3416 North High Street, Columbus, Ohio, for an Investigation of the Hemodynamic Effects of Potassium in Heart Disease and Normal Subjects (to be known as Central Ohio Heart Association Project No. 1733 - New - Department of Medicine).
Gross Value - \$5,425.30.
- a-14. Central Ohio Heart Association, 3416 North High Street, Columbus, Ohio, for an Investigation of Intraesophageal Phonocardiography and the Indirect Left Atrial Pulse (to be known as Central Ohio Heart Association Project No. 1734 - New - Department of Medicine).
Gross Value - \$6,158.25.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- a-15. Central Ohio Heart Association, 3416 North High Street, Columbus, Ohio, for Control Studies on the Measurement of Hypertension (to be known as Central Ohio Heart Association Project No. 1735 - New - Department of Surgery). Gross Value - \$10,500.00.
- a-16. Central Ohio Heart Association, 3416 North High Street, Columbus, Ohio, for an Investigation of the Biochemical Basis for the Myocardial Response to Catechol Amines (to be known as Central Ohio Heart Association Project No. 1736 - New - Department of Medicine). Gross Value - \$8,111.25.
- a-17. Central Ohio Heart Association, 3416 North High Street, Columbus, Ohio, for an Investigation of Cardiovascular System in Hyperthermic Coelosomia (to be known as Central Ohio Heart Association Project No. 1737 - New - Department of Anatomy). Gross Value - \$2,310.00.
- a-18. Central Ohio Heart Association, 3416 North High Street, Columbus, Ohio, for an Investigation of Digitalis Assay in Man (to be known as Central Ohio Heart Association Project No. 1738 - New - Department of Medicine). Gross Value - \$10,530.45.
- a-19. Central Ohio Heart Association, 3416 North High Street, Columbus, Ohio, for an Investigation of Total Replacement of the Canine Heart (to be known as Central Ohio Heart Association Project No. 1739 - New - Department of Surgery). Gross Value - \$8,715.00.
- a-20. Central Ohio Heart Association, 3416 North High Street, Columbus, Ohio, for an Investigation of the Influence of Sympathetic Mediators on the Susceptibility to Cardiac Arrhythmias (to be known as Central Ohio Heart Association Project No. 1740 - New - Department of Physiological Chemistry and Pharmacology). Gross Value - \$9,395.00.
- a-21. Central Ohio Heart Association, 3416 North High Street, Columbus, Ohio, for an Investigation of Right Ventricular Function in Cor Pulmonale (to be known as Central Ohio Heart Association Project No. 1741 - New - Department of Medicine). Gross Value - \$6,095.25.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- a-22. Central Ohio Heart Association, 3416 North High Street, Columbus, Ohio, for an Investigation of the Accumulation of Glycogen in the Rat Heart (to be known as Central Ohio Heart Association Project No. 1742 - New - Department of Pathology).
Gross Value - \$8,400.00.
- a-23. G. D. Searle and Company, Chicago, Illinois, for an Investigation of Metabolism of Enovid and SCII, 800 (to be known as G. D. Searle and Company Project No. 1749 - New - Department of Obstetrics and Gynecology).
Gross Value - \$9,700.00.
- a-24. Central Ohio Heart Association, 3416 North High Street, Columbus, Ohio, for A Study of the Hypertensive Potency of Antidiuretic Hormone (to be known as Central Ohio Heart Association Project No. 1754 - New - Department of Surgery).
Gross Value - \$3,108.00.

TOTAL - Industrial and Other Contracts \$170,391.00

The foregoing one hundred and twenty-one contracts for research in cooperation with Government, Industry and Other represent a gross income of \$3,800,269.34.

Upon motion of Mr. Allyn, seconded by Mr. Rairdon, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were unanimously approved.

B. The Report of the Research Contracts
from the Engineering Experiment Station

During the period from September 2, 1963 through October 31, 1963 the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record.

1. Government Research Contracts

EES 208	Development of Instrumentation to Measure Pavement
Ext. #2	Thickness, Ohio Department of Highways, Columbus, Ohio, Bureau of Public Roads, Washington, D. C.
	Gross Value - \$72,240.00.

November 15, 1963 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts
from the Engineering Experiment Station

1. Government Research Contracts (continued)

EES 218 Ext. #1	Evaluation of Insulating Materials to Reduce Premature Icing of Bridge Decks, Ohio Department of Highways, Columbus, Ohio, Bureau of Public Roads, Washington, D. C. Gross Value - \$25,200.00.
EES 220 Ext. #1	Development of Sonic and Ultrasonic Power Devices for Application in Highway Engineering, Ohio Department of Highways, Columbus, Ohio, Bureau of Public Roads, Washington, D. C. Gross Value - \$135,000.00.
EES 238	Development of Data and Procedures for the Design of Skewed Slab Bridge Structures, Ohio Department of Highways, Columbus, Ohio, Bureau of Public Roads, Washington, D. C. Gross Value - \$34,260.00.
SC-32	Development and Conduct of Conferences and Short Courses in the Area of Civil Defense, U. S. Department of Defense, Office of Civil Defense, Washington 25, D. C. Gross Value - \$60,000.00.
SC-33	Fallout Shelter Analysis Course, U. S. Department of Defense, Office of Civil Defense, Washington 25, D. C. Gross Value - \$2,952.00.
SC-34	Structural Dynamics Short Course, U. S. Department of Defense, Office of Civil Defense, Washington 25, D. C. Gross Value - \$1,950.00.

TOTAL - Government Research Contracts \$331,602.00

2. Industrial Research Contracts

EES 213 Ext. #1	Fundamentals of Exothermic Pads to Increase Feeding Distances of Risers in Steel Castings, Steel Founders' Society of America, Cleveland, Ohio. Gross Value - \$8,000.00.
EES 237	Mahoning County Comprehensive Planning Study, The Mahoning County Planning Commission, Youngstown, Ohio. Gross Value - \$4,890.00.

TOTAL - Industrial Research Contracts \$12,890.00

The foregoing nine contracts for research in the Engineering Experiment
Station represent a gross income of \$344,492.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

C. Agreement Between the College of Medicine of The Ohio State University and Riverside Methodist Hospital for an Affiliate Teaching Program

To enhance the instructional program for medical students, the Dean of the College of Medicine has proposed that an agreement be executed between the Riverside Methodist Hospital (The White Cross Hospital Association of Ohio) and the College of Medicine of The Ohio State University, whereby medical students in their clinical years will be given an opportunity to gain experiences in the care and treatment of patients at Riverside Methodist Hospital. Thus, the professional staff of Riverside Methodist Hospital will collaborate in the teaching of The Ohio State University medical students in a private hospital. Should such an agreement be approved, it is expected that beginning Winter Quarter 1964 a selected number of junior students of the College of Medicine would spend a portion of their time at Riverside Methodist Hospital. The students would be rotated so that eventually the entire class would have an opportunity to share in this learning experience.

The Board of Trustees of Riverside Methodist Hospital has indicated its willingness to participate in an affiliate teaching program and it is therefore recommended that the President be authorized to sign such an agreement on behalf of the University with the understanding that there is no financial obligation on the part of the University.

Upon motion of Mr. Bricker, seconded by Mr. Loop, the Board of Trustees by unanimous roll call vote authorized the President to sign an agreement between the College of Medicine of The Ohio State University and Riverside Methodist Hospital for an affiliate teaching program.

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IV. GRANTS AND GIFTS

The following grants and gifts to the University, including the establishment of certain memorial and scholarship funds, are hereby reported for the record and appropriate expression of appreciation has been conveyed.

A. Administered Through the Office of Business and Finance

1. \$21,000.00 granted by the National Science Foundation to the University for support of an "Undergraduate Science Education Program," under the direction of Dean Lloyd M. Parks, College of Pharmacy. This grant terminates August 31, 1965. (Grant GE-2940)
2. \$19,400.00 granted by the National Science Foundation to the University for support of an "Undergraduate Science Education Program," under the direction of Professor Paul G. Gassman, Department of Chemistry. This grant terminates August 31, 1965. (Grant GE-2886)

November 15, 1963 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

3. \$18,500.00 granted by the Ford Foundation to the University for legislative internships. This is a payment under a \$105,000.00 grant over a five-year period.
4. \$11,455.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Dental Editors' Workshop," under the direction of Mr. George J. Kienzle and Mr. Paul Barton, School of Journalism, for the period April 1, 1964 through March 31, 1965. (Grant DE 02045-01)

TOTAL - Through the Office of Business and Finance \$70,355.00

B. Received Through the Development Fund

1. \$21,000.00 from The Procter and Gamble Company, Cincinnati, Ohio, for research and fellowships in the College of Dentistry.
2. \$11,323.88 from The Lima Chapter of the Northwest Pharmaceutical Association (\$5,661.94) and The Lima and Allen County Academy of Medicine (\$5,661.94) for the establishment of the Allen County Sabin Scholarship Fund. Of this amount \$11,000.00 is to be deposited in the University's Investment Portfolio for the establishment of an endowment fund with the understanding that the income from the said endowment and the sum of \$323.88 is to be used for scholarships at the Lima Branch of The Ohio State University.

Allen County Sabin Scholarship Fund

The Allen County Sabin Scholarship Fund was established September 18, 1963 by a gift from The Lima and Allen County Academy of Medicine and The Lima Chapter of the Northwest Ohio Pharmaceutical Association.

The principal is to be invested according to rules and regulations adopted by the Board of Trustees of The Ohio State University with right to invest and reinvest as occasion dictates.

The income is to be used exclusively for scholarships for the payment of tuition only to worthy students from Lima and Allen County, Ohio, who attend the Lima Branch of The Ohio State University.

In the event of the discontinuance of The Ohio State University Branch in Lima or Allen County, Ohio, or the cessation of the need for such scholarships, the entire principal balance of this fund then remaining, plus any income accrued thereon, shall thereupon revert and become payable to the donors.

3. \$11,200.00 from the Charles F. Kettering Foundation--\$7,200.00 for fellowships in Chemistry and \$4,000.00 for the Kettering Co-op Fellowships.

November 15, 1963 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

4. \$10,000.00 from The Bremer Foundation, Youngstown, Ohio, for medical research.
5. \$9,350.00 from the Trust under the Will of Anna Roessler for scholarships.
6. \$8,410.00 from the Trust under the Will of Glenna Joyce for scholarships.
7. \$8,400.00 from the Alfred P. Sloan Foundation for scholarships.
8. \$8,250.00 from friends, associates, and family of Merle Robert Maffit for the Merle Robert Maffit Memorial Fund. Included in this amount is \$2,500.00 from the Yassenoff Foundation, \$1,000.00 from the F. & Y. Building Service, Inc., and \$1,000.00 from the Ohio Stater Inn, Inc.

Merle Robert Maffit Memorial Fund

The Merle Robert Maffit Memorial Fund was established October 3, 1963 by gifts through the Development Fund from friends, associates and family of Merle Robert Maffit, Engineering W'23, in his memory.

The principal is to be invested according to rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The income is to be used for scholarships to students in architecture.

In the event the need for such scholarships ceases to exist or so diminishes as to create unused income, then the Board of Trustees of the University may use said income in its discretion, preference to be given, however, to items in the area of architecture.

9. \$5,741.32 from the National Legal Aid and Defender Association for experimental project in education for professional responsibility, College of Law.
10. \$5,000.00 from Public Welfare Foundation, Inc. for pediatric research in poison control.
11. \$5,000.00 from The General Electric Foundation for the 1963-64 Graduate Research and Study Grant in the field of Chemistry.
12. \$4,900.00 from State Farm Mutual Automobile Insurance Company, Bloomington, Illinois, for research in Psychology.
13. \$3,500.00 from Goodyear Foundation, Inc., Akron, Ohio, for fellowship in Chemistry.

November 15, 1963 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

14. \$3,500.00 from friends of George M. Trautman for the George M. Trautman Memorial Fund.

George M. Trautman Memorial Fund

The George M. Trautman Memorial Fund was established September 20, 1963 by gifts through the Development Fund from many friends of George M. Trautman (B.Sc. '14 - Forestry), in his memory.

The principal is to be invested in accordance with rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The income is to be used for research in cancer. In the event the need for research on this disease ceases to exist or so diminishes as to create unused income, then said income may be used by the Board of Trustees of The Ohio State University in its discretion for any purpose.

15. \$2,500.00 from General Telephone and Electronics Foundation, New York, New York, for a fellowship in the Graduate School.
16. \$2,152.50 from Robert M. Critchfield, Pontiac, Michigan, to establish The Robert M. Critchfield Fund for Engineering.
17. \$2,000.00 from The William T. Morris Foundation, Inc., New York, New York, for scholarships in Welding Engineering.
18. \$1,200.00 from friends of Michael Peppe for the Michael Peppe Scholarship Fund.

Michael Peppe Scholarship Fund

The Michael Peppe Scholarship Fund was established November 1, 1963 by gifts through the Development Fund in honor of Michael Peppe, Professor Emeritus of Physical Education and Head Swimming Coach from 1930 until his retirement in 1963.

The principal is to be invested by The Ohio State University under rules and regulations adopted by its Board of Trustees, with right to invest and reinvest as occasion dictates.

The income is to be used for scholarships for students who become members of the University swimming or diving teams, upon recommendation of the head swimming coach.

In the event The Ohio State University should not have a swimming or diving team then said income shall be used for scholarships for any needy students at The Ohio State University to be awarded by the University Scholarship Committee or the constituted authority for awarding scholarships at the University.

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

18. Michael Peppe Scholarship Fund (continued)

In case the need for the use of the income as above outlined ceases to exist or so diminishes as to create unused income, then the Board of Trustees of The Ohio State University may use said income at its discretion for any purpose.

19. \$1,139.83 from family and friends of Benjamin T. Brooks for the Benjamin T. Brooks Memorial Fund.

Benjamin T. Brooks Memorial Fund

The Benjamin T. Brooks Memorial Fund was established September 16, 1963 by gifts through the Development Fund in memory of Benjamin T. Brooks, B.A. '06, from his widow, Mrs. Benjamin T. Brooks, his daughter, Mrs. Joseph J. Hickey, his sons, William B. Brooks, Robert O. Brooks, Benjamin T. Brooks, Jr., and many friends.

The principal and any additional contributions shall be kept as a permanent fund to be invested in the University's investment portfolio under rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The income is to be used for acquisitions to the Department of Chemistry Library including such books, texts, journals, magazines or documents as may be determined by those in charge of said Library. At the end of any fiscal year in which there is a balance in income remaining, this balance shall be credited to the principal.

In the event the need for acquisitions to the Department of Chemistry Library shall cease to exist or so diminish as to create unused income, then the Board of Trustees of the University may use said income and/or excess principal, for any purpose in its discretion, preference to be given, however, to items in the field of Chemistry.

20. \$1,036.18 from Josephine S. Failer, Columbus, Ohio, for a program of continuing education for women.
21. \$1,000.00 from Jack S. Resler for The John B. Fullen Scholarship Fund.

The John B. Fullen Scholarship Fund

The John B. Fullen Scholarship Fund was established October 3, 1963 by a gift through the Development Fund by Jack S. Resler, B.Sc. '25, in honor of John B. Fullen, B.Sc. '25 - Journalism.

The principal is to be invested according to rules and regulations adopted by the Board of Trustees of The Ohio State University with right to invest and reinvest as occasion dictates.

November 15, 1963 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

21. The John B. Fullen Scholarship Fund (continued)

The income is to be used to provide scholarship assistance for students majoring in Journalism.

In the event the need for such scholarships ceases to exist or so diminishes as to create unused income, then the Board of Trustees of the University may use said income in its discretion, preference to be given, however, to items in the area of Journalism.

22. \$1,000.00 from the Guernsey County Cancer Society, Cambridge, Ohio, for research in surgery.

23. \$850.00 in securities (Stock Certificate No. 040830 for 50 shares common stock, West Ohio Gas Company) from Julius F. Solomon to be added to the Solomon Family Memorial Fund. These securities are listed at their mean market price as of September 18, 1963.

TOTAL - Received Through the Development Fund \$128,453.71

C. Gifts-in-Kind

1. Dental office equipment for the College of Dentistry from Dr. Alexander Martone, Norfolk, Virginia.
2. A 4-E Metallizing Gun from Metco, Inc., Westbury, Long Island, New York, for use in the Department of Electrical Engineering.
3. Property known as "Lakeholm House" situated on the Martinsburg Road, Mt. Vernon, Ohio, from the Continental Can Company, Inc., 633 Third Avenue, New York, New York 10017, to the Board of Trustees of The Ohio State University to be held in the University's endowment portfolio under the provisions of Section 3345.16 of the Revised Code of Ohio. This gift includes a 7.34 acre tract of land, a colonial type 2 1/2-story, 3 1/2-bath, 22-room frame house and household furnishings contained therein. A good merchantable title to the property, free and clear of all encumbrances, will be conveyed to the University immediately upon acceptance by the Board of Trustees and the payment of \$1.00 consideration. The title to the property has been reviewed and approved by the Office of the Attorney General.

Upon motion of Mr. Rairdon, seconded by Mr. Loop, the above report of grants and gifts, including the establishment of certain memorial and scholarship funds, was accepted by unanimous vote, and the Secretary was instructed to include the report in the minutes of this meeting.

November 15, 1963 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

D. Report from The Ohio State University Development Fund

1. September, 1963

In September, 1963, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	337	\$ 25,930.76
Individuals, other than alumni	52	3,827.25
Non-profit organizations	41	102,974.80
Business concerns	79	48,787.88
	<u>509</u>	<u>\$181,520.69</u>

Of these gifts, 254 totaling \$2,546.75 were undesignated and 255 totaling \$178,973.94 were designated.

2. October, 1963

In October, 1963, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	1,080	\$ 32,043.05
Individuals, other than alumni	104	7,553.91
Non-profit organizations	31	27,117.35
Business concerns	68	59,370.65
	<u>1,283</u>	<u>\$126,084.96</u>

Of these gifts, 806 totaling \$6,272.75 were undesignated and 477 totaling \$119,812.21 were designated.

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V. APPROPRIATIONS AND TRANSFER OF FUNDS

A. Appropriations for the Development of Research Projects

At the request of the Vice President for Research, and with the concurrence of the Vice President for Business and Finance and the Cabinet, it is recommended that the following amounts be appropriated from the University Treasurer Research Subaccounts as designated, for the projects named:

\$25,000.00 to match monies from the Atomic Energy Commission for the Van de Graaff Accelerator program. The total AEC grant for 1963-64 is \$173,709.00 and the matching amount as part of the University's commitment agreed to in the proposal is \$25,000.00. Subaccount (f)

November 15, 1963 meeting, Board of Trustees

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

A. Appropriations for the Development of Research Projects (continued)

\$12,000.00 to remodel Room 138, Welding Engineering, for ultrasonic research. No additional space is available so existing space must be modernized or contract research will be greatly curtailed and/or eventually eliminated. Subaccount (b)

\$5,500.00 to complete remodeling of McPherson Laboratory, Room 136, of the Department of Chemistry. Subaccount (b)

\$4,125.00 to the College of Veterinary Medicine to match college funds for the purchase of a scintillation spectrometer to be used in the clinical diagnostic laboratory on a wide variety of research projects. Subaccount (a)

\$1,000.00 to renovate a research laboratory in the Department of Zoology for use in carrying out investigations on mosquito biology. Subaccount (b)

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

B. Production of University Film

On September 8, 1961 the Board of Trustees approved the appropriation of \$10,000.00 for production of the University film by the Department of Photography in consultation with the Office of University Relations.

Upon the recommendation of Mr. Frederick Stecker, Executive Director, University Relations, and with the concurrence of the President's Cabinet, it is recommended that an amount not to exceed \$5,100.00 be appropriated from the University Treasurer General Fund for the University film, "Crisis and the University," to complete all work and to provide for distribution of prints of the film.

Upon motion of Mr. Bricker, seconded by Mr. Allyn, the Board of Trustees by unanimous roll call vote approved the allocation of funds recommended above.

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VI. EXTRA AND CREDIT ORDERS AND EXTENSIONS OF TIME TO CONTRACTS

- A. At the request of the Council on Business Affairs, with the concurrence of the Cabinet and in accordance with the memorandum sent to members of the Board of Trustees on October 18, 1963, the following Extra Order to Contract as outlined below has been processed in the normal University manner:

November 15, 1963 meeting, Board of Trustees

VI. EXTRA AND CREDIT ORDERS AND EXTENSIONS OF TIME TO CONTRACTS
(continued)

A. (continued)

1. Repair and Resurface Sidewalks on Campus

It is recommended that additional excavation and stone fill be provided on the site of the sidewalks which are being replaced between Page Hall and the Museum and between the Physics Building and McPherson Laboratory. When the brick walks were removed, it was found that the foundation was not adequate for a satisfactory new walk.

Add \$3,496.00

Funds are available in the Maintenance Account 200, H. B. 711.

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the above action was unanimously ratified upon roll call vote.

- B. At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra and Credit Orders and Extensions of Time to Contracts as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated.

1. Student Housing, Buildings 4, 5 and 6

Plumbing Contract

It is recommended that the following changes be made:

- a. Provide 4" cast iron cleanout tees with cleanout plugs with countersunk nuts, installed slightly above grade and fitted into cast iron soil pipe hubs in lieu of offset downspout boot castings specified. Deduct \$204.00.
- b. Omit 185 vents for floor drains in student bathrooms. These vents are not required in the new State Plumbing Code. Deduct \$740.00.
- c. In order to prevent a gas leak from getting into the heating conduit, double wrap the gas line with pressure sensitive plastic tape for 4 ft. each side of the heating conduit and install a 6 ft. length of a half section 10" pipe over the gas line where it passes under the heating conduit. Add \$30.79. Net credit \$ 913.21

Funds will be returned to the Dormitory Construction Fund.

VI. EXTRA AND CREDIT ORDERS AND EXTENSIONS OF TIME TO CONTRACTS
(continued)

B. (continued)

2. Research Space - East Side of Stadium (Phase II)

Electrical Contract

It is recommended that an electrical fire alarm system be provided for the research space which is composed of many small rooms.

Add \$ 934.00

Funds will be provided from Budget Account 91020 - Research Space East Side of Stadium (Phase II).

3. Student Housing, Building No. 12

Plumbing Contract

It is recommended that Powers Regulator Company "Hydroguard" thermostatic valves, complete with built-in shut-off valves, liquid filled thermostatic elements and poppet-type mixing valves be provided in lieu of two handle compression valve stops for showers. Credit \$2,951.00

Funds will be returned to the Dormitory Construction Fund.

4. Repairs to Steam Lines and Heating Systems in Four Buildings

It is recommended that an extension of time for completion of contract be granted to the Limbach Company from September 20 to November 1, 1963, because of a delay in the receipt of materials for the project.

5. Starling Loving Hall, Rehabilitate Room M-100

Heating, Ventilating and Air Conditioning Contract

It is recommended that an extension of time for completion of contract be granted to the Huffman-Wolfe Co. from November 18, 1963 to January 15, 1964 since delivery of the air handling unit, the chiller and the condenser has been delayed until the middle of December. This room will be available for use by November 18 and the installation of the equipment at a later date in another part of the building will not interfere with the use of this room.

November 15, 1963 meeting, Board of Trustees

VI. EXTRA AND CREDIT ORDERS AND EXTENSIONS OF TIME TO CONTRACTS
(continued)

B. (continued)

6. Miami University - Ohio State University Dayton Campus, Phase I

Electrical Contract

It is recommended that the following changes
be made in the I-T-E Switchboard:

- a. Provide 3 high interrupting capacity
secondary circuit breakers.
- b. Eliminate the main secondary circuit
breaker.

Deduct \$1,509.00

Funds will be returned to the account established for the Miami
University - Ohio State University Dayton Campus, Phase I, Budget
Account 91017.

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the above recommen-
dation was unanimously approved by roll call vote.

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VII. PLANS AND SPECIFICATIONS

- A. With the approval of the Council on Business Affairs, the concurrence of the
Cabinet, and in accordance with the memorandum sent to members of the
Board of Trustees on October 18, 1963, the following plans and specifications
have been signed by the Secretary and Vice President Carson has requested
bids in the normal University manner. If satisfactory bids are received,
the award of contracts will be made and all action regarding this matter
shall be reported to the Board at a later meeting.

1. Installation of Air Conditioning in Rooms 012, 022, and 024,
Dentistry Building

Funds for this project will be provided from the College of Dentistry
Improvement Budget No. 12504 and the Dental Clinic Rotary 18160.

2. Repair of Contagious Wing Incinerator, University Hospital

Funds will be provided from the University Hospital Rotary for this
project.

Upon motion of Mr. Bricker, seconded by Mr. Allyn, the above action was
unanimously ratified by roll call vote.

November 15, 1963 meeting, Board of Trustees

VII. PLANS AND SPECIFICATIONS (continued)

- B. With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of materials and estimates of cost for the following projects be approved by the Board of Trustees:

1. University Hospital, Repairs to Rooms 473, 476, 478, 479 and N729

Funds for this project will be provided from the University Hospital Rotary.

2. Repair to Lobby and Corridors, Dentistry Building

Funds for this project will be provided from Budget Account 12350, Contract Repairs.

3. Installation of Air Conditioning in Rooms 174, 196A, 196F, 296G and 296H, McPherson Laboratory

Funds for this project will be provided from Department 2355, Budget Account 18503 and then rebilled to six research accounts.

4. Repairs in Room 154, Health Center Research Laboratory (Wiseman Hall)

Funds for this project will be provided from the University Hospital Rotary and Rotary 19185 Medical Research.

Upon motion of Mr. Allyn, seconded by Mr. Bricker, the above recommendation was unanimously approved by roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter shall be reported to the Board of Trustees at a later meeting.

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VIII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contracts for the following projects have been recommended for award and the action is hereby reported to the Board:

A. Elevated Water Storage Tank

	<u>Low Bid</u>	<u>Est. of Cost</u>
(3 bids received September 19)		
Chicago Bridge and Iron Company		
(Cleveland, Ohio)	\$126,900.00	\$135,000.00

Funds for this project are provided from Budget Account 19945 Water Storage Tank.

November 15, 1963 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

B. McPherson Laboratory - Repairs in Room No. 136

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Electrical Contract</u> (6 bids received on July 30)		
Mid-City Electric Co. (Columbus)	<u>\$ 2,334.00</u>	<u>\$ 3,550.00</u>
<u>General Contract</u> (3 bids received on September 9)		
E. H. Sheldon Equipment Co. (Muskegon, Michigan)	<u>\$26,900.00</u>	<u>\$28,500.00</u>
<u>Plumbing Contract</u> (3 bids received on October 25)		
Limbach Company (Columbus)		
Base Bid	<u>\$ 5,400.00</u>	<u>\$ 6,000.00</u>
Alt. P-3 Oxygen Supply System	<u>660.00</u>	<u>2,000.00</u>
Total contract	<u>\$ 6,060.00</u>	<u>\$ 8,000.00</u>
<u>Heating Contract</u> (3 bids received on October 25)		
Limbach Company (Columbus)	<u>\$11,400.00</u>	<u>\$12,450.00</u>
<u>Total of All Contracts</u>	<u>\$46,694.00</u>	<u>\$52,500.00</u>

Funds for this project will be provided from Budget Account 19933
Remodel McPherson Laboratory.

C. Starter's Shelter, University Golf Course

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (6 bids received October 30)		
Pendleton Construction Co. (Columbus)	<u>\$ 2,807.00</u>	<u>\$ 3,000.00</u>
<u>Paving Contract</u> (3 bids received October 30)		
Sheedy Paving Co. (Columbus)		
Base Bid	<u>\$ 1,540.00</u>	<u>\$ 2,400.00</u>
Alt. P-1 Additional Paving	<u>258.00</u>	<u>700.00</u>
Total	<u>\$ 1,798.00</u>	<u>\$ 3,100.00</u>
<u>Total All Contracts</u>	<u>\$ 4,605.00</u>	<u>\$ 6,100.00</u>

Funds for this project will be provided by the Athletic Department.

Upon motion of Mr. Bricker, seconded by Mr. Loop, the above award of contracts and expenditure of funds were approved and the action of the Vice President, Business and Finance, ratified by unanimous roll call vote.

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November 15, 1963 meeting, Board of Trustees

IX. CONTROLLING BOARD AND EMERGENCY BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

A. Controlling Board Approvals

- 20 Approves the award of contract for "Repair of Primary Electric Cables to West Campus" and the expenditure of \$58,820.00 from Account 315, H. B. 711, for three repair projects.
- 24 Authorizes the expenditure of \$9,534.00 from Account 300, H. B. 711, to provide funds for the contracts on "Rehabilitation of Rooms No. A-402 A, B, C and A-403 A, B, C, Starling Loving Hall."
- 27 Approves the extra order in the amount of \$3,496.00 for the project "Repairing and Resurfacing Sidewalks," payable from Account 315, H. B. 711.

B. Emergency Board Approvals

- 1 Authorizes an allocation of emergency funds in the amount of \$16,204.63 and the establishment of a Special Purpose Account, "Flood Repairs and Replacement - 402" to provide funds for initial emergency repairs, replacement of damaged apparatus, cables, switches, and the loss of some dental plaster as a result of the flooding on September 22, 1963.

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X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Sale of Property, 2047 West Lane Avenue

WHEREAS, The Ohio State University is the owner of an undivided one-half (1/2) interest in and to premises known by street number as 2047 West Lane Avenue, Columbus, Ohio, and

WHEREAS, said property was the residence of Raymond C. Osburn and was left to The Ohio State University by his Last Will and Testament, and

WHEREAS, the said Last Will and Testament directs that all of his property shall be converted into cash with a deposit of the same in the irreducible debt of the State of Ohio,

THEREFORE, BE IT RESOLVED, that the Vice President, Business and Finance, be and he hereby is authorized and directed to have appraised by an M.A.I. appraiser the undivided one-half (1/2) interest of The Ohio State University in property shown as 2047 West Lane Avenue and thereafter join with the Estate of Mary H. Osburn (holder of an undivided one-half (1/2) interest therein) in negotiating a private sale of the premises at no less than the appraised value thereof, executing and delivering on behalf of The Ohio State University any and all deeds or other instruments necessary to

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

A. Sale of Property, 2047 West Lane Avenue (continued)

complete the transaction depositing the proceeds in accordance with the Last Will and Testament of Raymond C. Osburn.

Upon motion of Mr. Bricker, seconded by Mr. Rairdon, the above resolution was unanimously ratified by roll call vote.

B. Dining Facility - Northwest

It is recommended that the engineering firm of W. E. Monks, Columbus, Ohio, be employed to provide complete professional engineering services for heating, ventilating and air conditioning, plumbing and electrical work for the above project, including design, preparation of drawings, specifications and estimate of cost and complete field supervision of construction.

The fee for this service will be 4 1/2 per cent of the cost of the mechanical contracts or an estimated \$26,100.00. Funds will be provided from Dormitory Construction Account.

Upon motion of Mr. Allyn, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

C. Dining Facility - Northwest

It is recommended that the engineering firm of Fling & Eeman, Inc., Columbus, Ohio, be employed to provide professional engineering services for the structural system, including design calculations, drawings, specifications, estimate of cost, checking shop drawings, and consultation and supervision during construction on unusual or unexpected problems.

The fee for this service will be 1 per cent of the cost of the General Contract or an estimated \$6,300.00. Funds will be provided from Dormitory Construction Account.

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

D. Power of Attorney - Customs

It is recommended that the action taken by the Board of Trustees on April 14, 1961, relative to the Power of Attorney - Customs, be rescinded and the following recommendation for authorization be approved:

That Gordon B. Carson, Vice President, Business and Finance; Joseph F. Medley, Director of Purchases; and Clinton V. Oster, Controller, The Ohio State University, or any one of them, be and hereby are authorized and empowered to transact any and all business The Ohio State University may have with any Custom House in the United States of America, to make declarations to entries of merchandise imported by said University, to endorse bills of lading and to sign all bonds in the name of said University

November 15, 1963 meeting, Board of Trustees

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

D. Power of Attorney - Customs (continued)

as required by law or the regulations of the Collector of Customs or Treasury Department; to secure the duties on importations made by said University; and also in the name of said University to execute and deliver any and all bonds of indemnity to the Collector of Customs for the production of endorsed bills of lading, and that a copy of this resolution be sealed with the seal of said University.

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

E. Purchase of Buildings and Property, Seven Lots, Montgomery and McGee Addition, Marvine Addition and Thompson Northwood Heights Addition

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Civic Realty Company at a price of \$2,450.00:

Being Lots #137 and 139, Montgomery and McGee Addition; #166, 167, 168 and 169, Marvine Reserve A Addition; and #186, Thompson Northwood Heights Addition, City of Columbus, County of Franklin, State of Ohio.

Funds are available in the University Treasurer General Fund, Account 19999.

Upon motion of Mr. Dargusch, seconded by Mr. Ketterer, the above recommendation was unanimously approved by roll call vote.

F. Right-of-Way Agreement, Lakeholm Farm, The Ohio Fuel Gas Company

The Ohio Fuel Gas Company has requested permission to construct a 10-inch gas line on lands in Knox County held by the Board of Trustees of The Ohio State University, commonly known as Lakeholm Farm. The gas line will serve the City of Mount Vernon but the University will have the right to purchase gas from said line for use on its property.

It is recommended that the Vice President, Business and Finance, be authorized to sign a right-of-way agreement with The Ohio Fuel Gas Company on behalf of the Board of Trustees for the purpose stated above.

Upon motion of Mr. Jones, seconded by Mr. Ketterer, the above recommendation was unanimously approved by roll call vote.

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XI. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the death of Albert Edwin Avey, Professor Emeritus of Philosophy, and Charles Reuel Sutton, Professor of Architecture and Landscape Architecture; and, in accordance with the instructions of the Board of Trustees, copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board have been furnished the families of the deceased.

A. Albert Edwin Avey

The Board of Trustees expresses its sorrow at the death on September 25, 1963 of Albert Edwin Avey, Professor Emeritus of Philosophy.

Dr. Avey was born on May 29, 1896 in Hannibal, Missouri. He received his A.B. degree from Yale University in 1908 and from the same institution he received the A.M. degree in 1909 and the Ph.D. degree in 1915. He taught philosophy at The Ohio State University, as Assistant Professor and Professor, from 1917 to 1954, serving from 1941 to 1952 as Chairman of the Department. During his period of teaching at The Ohio State University, he was Visiting Professor at the University of Pittsburgh, Atlanta University, and Florida State University. After his retirement he taught as Visiting Professor at Pierce College (in Greece), Cottey College, and the College of Wooster. Death came as he was commencing a year as Visiting Professor at Denison University.

Dr. Avey was a member of the Governor's Commission on Democracy in 1941 and, in 1951, was president of the Western Division of the American Philosophical Association. He held membership in various nationally important educational, religious, and social organizations, as well as Phi Beta Kappa and other honorary scholastic societies. On the campus of The Ohio State University, he was highly influential in promoting constructive curricular changes and progressive interdenominational religious programs.

Dr. Avey was widely esteemed for the profundity and authenticity of his eight scholarly books and his many learned articles. As an expert in the Socratic method of teaching, he stimulated in both undergraduate and graduate students a critical individual reflection and a creative group discussion. He was a sympathetic and understanding counselor of students and colleagues. He was the first Ohio State professor to do extensive research and teaching in Oriental culture.

Dr. Avey's own philosophy was universal in its scope and logical in its structure. The Platonic ideal, that wisdom and virtue are interdependent, indispensable features of excellent, effective living, became alive in the magnanimous life of Professor Avey.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

November 15, 1963 meeting, Board of Trustees

XI. RESOLUTIONS IN MEMORIÁM (continued)

B. Charles Reuel Sutton

The Board of Trustees expresses its sorrow at the death on September 13, 1963 of Charles Reuel Sutton, Professor of Architecture and Landscape Architecture.

Professor Sutton was born March 8, 1900 in Grand Ridge, Illinois, and received his Bachelor of Science degree in Architectural Engineering in 1921 from the University of Illinois. In 1926 he also received a Bachelor of Science degree, with honors, in Landscape Architecture from the University of Illinois. He was a fellow in Landscape Architecture at the American Academy in Rome from 1929 to 1932. Having discovered Landscape Architecture to be his chosen field, he devoted his lifetime to the profession.

Professor Sutton joined the faculty at The Ohio State University in 1932 as an Assistant Professor, was promoted to Associate Professor in 1937, and to Professor in 1951. For over 30 years he conducted a limited, private practice in Landscape Architecture in Columbus, Ohio, and Old Saybrook, Connecticut, and in 1951 he was made a Fellow of the American Society of Landscape Architects.

Professor Sutton held membership in the Board of Managers of the Columbus Gallery of Fine Arts, the American Society of Planning Officials, the American Planning and Civic Association, the Highway Research Board, and the American Society of Landscape Architects. He was a long-time member of the First Congregational Church in Columbus, Ohio. He was also a member of Alpha Rho Chi, Tau Sigma Delta, Faculty Club, University Club, University Golf Club, Crichton Club, and "41" Club.

His 31 years of teaching and service to the University and service to the community were marked by an inspired devotion to excellence in the professional training of his students and to the promotion of Landscape Architecture as a professional field of endeavor. His teaching was greatly enriched by the fact that he read widely, travelled extensively, and knew first hand the sites he described so vividly in his classroom discussions.

In cooperation with the Ohio Department of Highways, he established in 1941 the annual Ohio Roadside Short Course, which is recognized today as a major medium of exchange of ideas in the increasingly important area of roadside development. The Short Course has today an international reputation.

Everyone who knew Charles Reuel Sutton--students, alumni, faculty, and his many friends--feel deeply the loss. He was in his own right a fine example of an educated professional man whose completed works brought enjoyment of outdoor spaces to many and who brought to his teaching the thoughtful experiences of a lifetime devoted to the improvement of man's physical environment.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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XII. REPORTS

A. Reports from the Finance and Investment Committee

1. Central Food Facility

Mr. Allyn, a member of the Finance and Investment Committee, presented the following resolution:

WHEREAS, in order to obtain needed food service facilities, the University proposes to cause to be organized under the laws of Ohio a non-profit corporation to be known as "The Ohio State University Food Service Corporation" (herein called the "Corporation") with the initial trustees consisting of the Chairman of the Board of Trustees, the President of the University and the Vice President, Business and Finance, of the University, with broad powers including power to acquire, operate, lease, sell or otherwise act with respect to the facility or facilities to be used to render food service to any portions of the University and with such restrictions on powers and other terms and provisions as counsel shall deem necessary in order to exempt from federal income taxes interest on obligations of the Corporation and otherwise to qualify the Corporation as organized for charitable, benevolent or educational purposes; and

WHEREAS, the leasing of premises located at 1315 Kinnear Road, Columbus, Ohio, by the Corporation to provide by lease or otherwise food service facilities to the University has been proposed; and

WHEREAS, said food service building would be used to provide food services to the dormitory facilities of the University and its student union; and

WHEREAS, the Board of Trustees is authorized under Section 3345.07 and 3345.11 of the Revised Code of Ohio to lease such facility, and to pay rental therefor from the sources provided in such sections including revenues of its dormitory facilities under said Section 3345.07 and from the revenues of its student activity centers and student activity fees charged and paid for such purpose under said Section 3345.11; and

WHEREAS, said premises are presently owned by certain trusts administered by Seymour B. Durst, Royal H. Durst and Robert D. Steefel, under certain Trust Indentures dated as of December 31, 1962 (hereinafter called the "Landlords"), and are presently leased to Mohasco Industries, Inc. (hereinafter called the "Tenant") for a term commencing June 16, 1954 and ending July 31, 1984; and

WHEREAS, the Landlords with the agreement of the Tenant propose to lease the premises to the Corporation under an agreement whereby the Corporation would take from the Tenant an assignment of its lease and would assume the lease of the Tenant, with amendments, all as provided in Assignment of Lease marked as Exhibit A-2 and the agreement providing for amendment of the lease and marked as Exhibit A-1, which are filed with the official records of the Board of Trustees; and

November 15, 1963 meeting, Board of Trustees

XII. REPORTS (continued)

A. Reports from the Finance and Investment Committee (continued)

1. Central Food Facility (continued)

WHEREAS, the University proposes to sublet the said premises from the Corporation under sublease, proposed form of which is marked as Exhibit B and filed with the official records of the Board of Trustees, under which sublease the University is required to perform its obligations only from dormitory, dining hall and union revenues and student fees that can lawfully be used for such purpose.

WHEREAS, it has been determined that such food service warehouse is necessary to the efficient operation of the dormitory facilities and student union, and that the leasing thereof is legally and economically feasible on the terms provided in said Exhibits A-1 and A-2;

NOW, THEREFORE, BE IT RESOLVED, by the Board of Trustees of The Ohio State University, as follows:

Section 1. The organization of the Corporation and the agreement marked as Exhibit A-2 and Exhibit A-1, which are filed with the official records of the Board of Trustees, are hereby in all respects approved, and the President and Vice President, Business and Finance, and each of them are authorized to take any action which they deem advisable to effect such organization and to cause the execution of such agreements in substantially the form heretofore approved, with such changes and modifications as may be agreed to by the President or Vice President, Business and Finance with the advice of counsel, and not unfavorable to the University.

Section 2. The sublease in proposed form marked as Exhibit B and filed with the official records of the Board of Trustees is hereby approved and the President and the Vice President, Business and Finance, and each of them, are authorized to execute, acknowledge and deliver said sublease in substantially said form with such changes and modifications as may be agreed to by the officer executing the same with the advice of counsel and not unfavorable to the University.

Section 3. The President and the Vice President, Business and Finance, and each of them are authorized by purchase of bonds or notes, or by loans or advances to the Corporation from funds lawfully available for these purposes to provide funds to the Corporation for necessary improvement to the leased premises, for exercise of the option provided in the lease as amended or to carry out the terms of the lease as amended.

Section 4. The President and the Vice President, Business and Finance, and each of them are authorized to take any and all action which they may deem advisable to carry out the foregoing or the terms of the instruments approved pursuant to Sections 1 and 2 above as changed in accordance with said sections.

Upon motion of Mr. Allyn, seconded by Mr. Loop, the above resolution was adopted by a seven to one vote with Mr. Frederick E. Jones voting negatively.

XII. REPORTS (continued)

A. Reports from the Finance and Investment Committee (continued)

2. Investment Portfolio

The reports of the University's Investment Portfolio dated September 30, 1963 and October 31, 1963 were presented to the Board of Trustees. The Secretary was instructed to file a copy of each report with the official records of the Board of Trustees.

3. Accountant's Report on the University Dormitory Revenue Bond Funds

The Accountant's Report on The Ohio State University Dormitory Revenue Bond Funds, including the financial statements of June 30, 1963, submitted by Peat, Marwick, Mitchell & Co., was received and ordered to be filed with the official records of the Board of Trustees.

B. Annual Report for the Engineering Experiment Station

Mr. Mount reported that the Annual Report for the Engineering Experiment Station has been received. A copy of this report will be mailed to each member of the Board of Trustees and a copy of the report will be filed with the official records of the Board of Trustees.

C. Report on Highlights of University Activities

In concluding the meeting, President Fawcett reviewed some of the highlights of the University activities during the past two months. The report, which is filed with the official records of the Secretary, included some figures from the U. S. Office of Education which showed that Ohio State ranked sixth in number of Ph.D. degrees awarded in fields important to the national security and welfare. Of all doctorates granted by 208 U. S. institutions, Ohio State ranked ninth. The President further reported that enrollment at Ohio State for Autumn Quarter 1963 was 33,284, which was an increase of 9 per cent over last fall's total. The President commended Frederick Stecker, Executive Director for University Relations, who acted as Co-Chairman of United Appeals for Franklin County, for his part in assisting the campaign in exceeding the goal and reported that Ohio State's faculty and staff led the Education Division, pledging 115 per cent of their goal.

D. Citation Presented to Thomas F. Patton, Chairman of Citizens for Ohio's Future (\$250 Million Bond Issue)

President Fawcett presented a citation to Mr. Thomas F. Patton on behalf of the state universities, the municipal universities, and community colleges of Ohio. The citation carried the personal signature of the president of each of the state universities, the municipal universities, Youngstown University, and Cuyahoga Community College and read as follows:

November 15, 1963 meeting, Board of Trustees

XII. REPORTS (continued)

- D. Citation Presented to Thomas F. Patton, Chairman of Citizens for Ohio's Future (\$250 Million Bond Issue) (continued)

THOMAS F. PATTON

In grateful appreciation

for the immeasurable contribution you have made to public higher education in Ohio and to the total advancement of the state. Your leadership as Chairman of Citizens for Ohio's Future has kept open the way to higher education for Ohio's youth and thereby has strengthened that vital bond which links education inseparably with our American way of life.

Whereupon Mr. John W. Bricker offered the following resolution and moved that it be included in the minutes of this meeting:

BE IT RESOLVED, that The Ohio State University Board of Trustees commends highly the dedicated and effective leadership of Thomas F. Patton in the promotion and successful passage of "State Issue No. 1"--a matter vital to future educational opportunity for Ohio's young people and to the cultural and economic growth of the State. Under the able guidance of this distinguished leader, Citizens for Ohio's Future, as well as other important groups, achieved a firm consensus and commitment from the voters that demonstrated clearly the strong and continuing faith of the people in the values of higher education. The members of the Board of Trustees concur unanimously with the spirit and substance of the citation awarded to Thomas F. Patton by the presidents of Ohio's public institutions of higher education.

Mr. Allyn seconded the motion and the above resolution was adopted by unanimous vote.

Mr. Patton responded graciously in accepting the citation by indicating that he did so on behalf of the Board of Trustees, public officials, faculty, students, and alumni who participated so effectively in the campaign for the passage of the bond issue. He expressed his personal gratitude for the wonderful job well done by the people who had the best interests of the youth of the State of Ohio at heart. The support given to the bond issue demonstrates very clearly that the voters of Ohio are mindful of the needs of education.

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November 15, 1963 meeting, Board of Trustees

XIII. COMMITTEE APPOINTMENTS - 1963-64

The Chairman announced the appointment of new members of the Board to the following standing committees for 1963-64:

FINANCE AND INVESTMENT

Frederick E. Jones

RETIREMENT AND INSURANCE

John G. Ketterer

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Thereupon the Board adjourned to meet Friday, December 13, 1963, at The Ohio State University, Columbus, Ohio, at ten o'clock.

Attest:

John T. Mount
Secretary

Thomas F. Patton
Chairman

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
NINE HUNDRED AND EIGHTY-FIFTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, December 13, 1963

The Board of Trustees met at its regular monthly meeting on Friday, December 13, 1963, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: Thomas F. Patton, Chairman, Alan B. Loop, Jacob E. Davis, Stanley C. Allyn, John W. Bricker, Carlton S. Dargusch, John G. Ketterer, and Frederick E. Jones.

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Minutes of the last meeting were approved.

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President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Revision of Rule 29.2705 - Rules for the University Faculty

Upon the recommendation of the Library Council, the Faculty Council on November 19, 1963 recommended that Rule 29.2705 be revised as follows to add the Vice President for Research to the membership of the Library Council and to correct the title of the Vice President for Instruction and Dean of Faculties:

That each reference in Rule 29.2705 to the title, Vice President, Instruction and Research, be changed to the title, Vice President for Instruction and Dean of Faculties; that the title, Vice President for Research, be inserted in Section 1 of 29.2705 immediately prior to the title, Dean of the Graduate School; and that the new title, so inserted, be separated from the other titles by the use of semicolons.

It is therefore recommended that this action of the Faculty Council be approved.

Upon motion of Mr. Allyn, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote, and the Secretary was authorized to revise Rule 29.2705 of Rules for the University Faculty accordingly.

B. Degrees Conferred - Autumn Quarter Commencement Convocation

It is recommended that degrees be conferred at the Autumn Quarter Commencement Convocation on December 20, 1963 to those students who have completed requirements for their respective degrees and are recommended by the Faculty Council. The names of those awarded degrees will be included in the minutes of this meeting. (See Appendix V, page 243.)

Upon motion of Mr. Bricker, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

C. Proposal to Offer the Doctor of Philosophy
Degree in Slavic Languages and Literatures

For many years this University has offered instruction in the Russian language. With the recognition that Russian is now one of the major languages of the world, that it is specified as a top priority language by the National Defense Education Act, and that the need for persons educated in its use is acute, several years ago The Ohio State University decided to expand its resources and programs in this field.

I. GENERAL RECOMMENDATIONS (continued)

C. Proposal to Offer the Doctor of Philosophy Degree in Slavic Languages and Literatures (continued)

In 1961-62, with an enlarged staff and an expansion in pertinent library holdings, an undergraduate major program in Slavic Languages and Literatures was instituted. This was followed in 1962-63, after the addition of necessary graduate level courses, by a program leading to the M.A. degree; similarly, after the addition of appropriate specialists to certain social science departments and further expansion of library holdings, this year the University is able to offer a certificate program in Russian Area Studies at the advanced graduate level.

As faculty, course offerings, and library resources have continued to increase, the University is ready to offer in 1964-65 a Ph.D. degree program in Slavic Languages and Literatures. With its present resources, this final addition will enable The Ohio State University to offer a complete series of curricular opportunities at all levels of instruction in this vital area. No other college or university in Ohio offers such a complete program.

This proposal has been studied and approved by the following prior to submission to the Board of Trustees: Curriculum Committee, College of Arts and Sciences; Ad Hoc Committee, Graduate Council; Graduate School Curriculum Committee; and Council on Instruction.

The Faculty Council on November 19, 1963 approved the recommendation of the Council on Instruction that The Ohio State University grant the Doctor of Philosophy degree in Slavic Languages and Literatures.

It is therefore recommended that this action be approved by the Board of Trustees and, pursuant to Section 3333.04 Revised Code of Ohio, be forwarded to the Ohio Board of Regents. This action is to become effective at the beginning of the 1964-65 academic year, subject to the approval of the Board of Regents.

Upon motion of Mr. Allyn, seconded by Mr. Bricker, the above recommendation was unanimously approved by roll call vote.

D. Proposal to Offer the Doctor of Optometry Degree

The present instructional program in Optometry, leading to the degree Bachelor of Science in Optometry, dates back to 1915 when a four-year curriculum in applied optics was approved at The Ohio State University. In 1946-47 this program was altered to provide for a two-year pre-professional and a three-year professional curriculum. For the graduate students in the field of optometric research (physiological optics) the University has offered the degrees Master of Science since 1938 and Doctor of Philosophy since 1942.

I. GENERAL RECOMMENDATIONS (continued)

D. Proposal to Offer the Doctor of Optometry Degree (continued)

For many years the faculty of the School of Optometry have been leaders in education and research in optometry. Several have national and international reputations in recognition of this leadership. During the academic year 1958-59 the faculty of the School of Optometry proposed that the education of optometrists be strengthened and lengthened by instituting a six-year program leading to the degree Doctor of Optometry. The curriculum was revised, new courses were added, the faculty was strengthened, and excellent physical facilities were provided during the succeeding years as the proposal for the new degree was studied at the college, graduate, and University levels.

The proposal to offer the degree Doctor of Optometry was approved by the Faculty Council at its November 19, 1963 meeting. On the basis of its present faculty, curricular and physical resources, the University is now ready to offer this degree.

It is, therefore, recommended that this action be approved by the Board of Trustees and, pursuant to Section 3333.04 Revised Code of Ohio, be forwarded to the Ohio Board of Regents. This action is to become effective for students entering the School of Optometry Autumn Quarter 1964, subject to the approval of the Board of Regents.

Upon motion of Mr. Davis, seconded by Mr. Bricker, the above recommendation was unanimously approved by roll call vote.

E. Authorization to Proceed with Capital Improvements
Program from Funds Appropriated by the 105th
General Assembly--Amended Senate Bill No. 370

Amended Senate Bill No. 370 as passed by the 105th General Assembly of Ohio authorized appropriations for capital improvements for The Ohio State University in the amount of \$26,652,900.00 for the following projects with amounts as indicated.

Land	\$ 464,000
Materials engineering and science building	2,309,000
Modernization of engineering and physical science facilities	1,078,000
Dentistry laboratories	854,500
Physics and astronomy building, plans	90,000
Modernization of commerce and administration buildings, and walks and roads	421,700
Engineering classrooms and laboratories	2,897,000
Aerodynamics and missile propulsion laboratory	469,500
Campus loop road	1,307,000
Chemistry research facilities	1,310,000
Electronics laboratories, plans	97,000
Systems engineering, plans	83,400
Addition to Starling-Loving Hall	250,000

December 13, 1963 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

E. Authorization to Proceed with Capital Improvements
Program from Funds Appropriated by the 105th
General Assembly--Amended Senate Bill No. 370 (continued)

Pharmacy building	\$3,321,800
College of medicine--land	1,000,000
College of medicine--plans	2,000,000
Dayton branch	3,000,000
Plans and buildings for Lima branch	3,300,000
Plans and buildings for Mansfield branch	2,200,000
Removal of Veterinary Clinic	200,000

Pursuant to Amended Senate Bill No. 370, none of the foregoing appropriations shall be expended until recommended for release by the Ohio Board of Regents and released by the Controlling Board. It is, therefore, recommended that the Board of Trustees approve the above listed capital improvement projects for The Ohio State University. It is further recommended that in accordance with the Act the President be authorized to proceed immediately with the necessary action to secure an early release of the funds, and that the appropriate administrative officers of the University be instructed to proceed immediately with the implementation of the plans for construction of the facilities at the earliest possible date.

Upon motion of Mr. Davis, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

President Fawcett then made the following statement relating to the distribution of the remaining portion of the funds designated for higher education from the \$250 million bond issue:

It has been publicly announced that the Governor's policy is one that will adhere to the commitments made during the course of the promotion of the campaign for the passage of the \$250 million bond issue--\$175 million for higher education. It is clear now that the 105th General Assembly changed the policy somewhat in authorizing allocations to those institutions outside the framework of the state universities different from those allocations recommended by the Board of Regents. The General Assembly authorized the appropriation in 1964-65 of all of the funds which are to be made available to the non-state university institutions from the bond issue.

When the 105th General Assembly took the action to appropriate the full share to the outside agencies--outside the six state universities and the Ohio Agricultural Experiment Station--it became imperative that a public announcement be made on the policy of the state government on the distribution of the total amount of money for higher education. An amount of \$103,112,900 was appropriated by the General Assembly in December 1963, leaving only \$71,887,100 to be appropriated for higher education for the 1965-67 biennium.

I. GENERAL RECOMMENDATIONS (continued)

E. Authorization to Proceed with Capital Improvements
Program from Funds Appropriated by the 105th
General Assembly--Amended Senate Bill No. 370 (continued)

We had been informed that the formula that would be used for the distribution of the \$140,000,000 that had been promised to the six state universities would lead to allocations in the same proportion as the appropriation authorized by the 105th General Assembly for operation of the state universities. Under this formula, Ohio State would receive slightly more than 53 per cent.

Therefore, it was on this basis that the Governor and the Director of Finance announced an allocation of the remaining funds for higher education, subject to the approval of the Board of Regents and the 106th General Assembly. The full share to Ohio State as indicated in the Governor's announcement is \$71,441,000 with \$26,652,900 having been appropriated for the projects identified in the foregoing recommendation that has just been approved by this Board. Therefore, The Ohio State University is scheduled to receive an additional amount of \$44,788,100 if it receives favorable action by the Board of Regents and the Legislature. If the Board of Trustees concurs, we will proceed immediately with the Board of Regents to develop the necessary plans and documentary material to support the request for the funds as committed by the Governor and the Director of Finance.

Chairman Patton stated that the allocation of funds for Ohio State is justifiable and greatly needed if the University is to fulfill its obligation to serve the needs of higher education. He urged that the administrative officials of the University take every proper step to secure the funds as committed.

Upon motion of Mr. Dargusch, seconded by Mr. Davis, the Board of Trustees by unanimous approval instructed the administrative officers of the University to proceed immediately with the necessary action to secure the support of the Board of Regents and General Assembly of Ohio for the funds which have been recommended for appropriation to The Ohio State University by the Governor of Ohio.

F. Revision of Don Scott Field Master Plan

In order to expedite the extension of the main runway at Don Scott Field, the President recommended that the Master Plan approved by the Board of Trustees on May 17, 1963 be amended by removing therefrom the T-Hangars shown along the north side of Case Road.

Upon motion of Mr. Bricker, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

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II. PERSONNEL CHANGES

It is recommended that all personnel changes since the November 15, 1963 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Appointments, Changes in Administrative Titles, Leaves of Absence With Salary and Emeritus Title:

A. Appointments

Jackson W. Riddle, Associate Dean (part time - 50%), College of Arts and Sciences, effective January 1, 1964. Dr. Riddle will continue as Associate to the Vice President for Instruction and Dean of Faculties (part time - 50%), at a total salary of \$17,472.00 per annum.

Robert C. Little, Professor and Chairman, Department of Physiology, effective April 1, 1964, at a salary of \$22,968.00 per annum.

B. Changes in Administrative Titles

John A. Prior from Associate Dean and Secretary, College of Medicine, to Associate Dean, College of Medicine, effective January 1, 1964, at no change in salary.

Lloyd R. Evans from Assistant Dean, College of Medicine, to Assistant Dean and Secretary, College of Medicine, effective January 1, 1964, at no change in salary.

William C. Dew, from Professor and Secretary, College of Dentistry, to Professor, Assistant Dean and Secretary, College of Dentistry, effective January 1, 1964, at no change in salary.

C. Leaves of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 12, 1954, the following-named persons are recommended for Leaves of Absence With Salary from the Agricultural Extension Service for the period indicated:

Charles M. Perry, Instructor (County Extension Agent, Agriculture) Perry County, January 1, 1964 through March 15, 1964, to study at The Ohio State University.

James D. Wells, Instructor (County Extension Agent, Agriculture) Brown County, January 1, 1964 through March 15, 1964, to study at The Ohio State University.

Edwin E. Zorn, Instructor (County Extension Agent, 4-H) Warren County, January 1, 1964 through March 15, 1964, to study at The Ohio State University.

December 13, 1963 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

D. Emeritus Title

Francis I. Bell, Agricultural Extension Service, with the title Instructor (County Extension Agent, Agriculture) Emeritus, effective February 1, 1964.

Upon motion of Mr. Loop, seconded by Mr. Ketterer, the Appointments, Changes in Administrative Titles, Leaves of Absence With Salary, Emeritus Title, and the personnel changes recorded in the official "Salary Roll" of the University were unanimously approved by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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III. GENERAL CONTRACTS AND AGREEMENTS

A. The Ohio State University and The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

1. Government Contracts - Federal

- a. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for Studies in Primate Learning and Perception (to be known as National Institutes of Health Project No. 887 - Ext. #5 - Department of Psychology). Gross Value - \$24,206.00.
- b. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of the Heterogeneity of Deoxyribonucleic Acids (DNA) (to be known as National Institutes of Health Project No. 1048 - Ext. #4 - Department of Chemistry). Gross Value - \$17,856.00.
- c. Rome Air Development Center, Research and Technology Division, AFSC, Griffiss AFB, New York, for High Gain Antenna Realization and Tracking Study (to be known as Rome Air Development Center Project No. 1072 - Sup. #11 - Department of Electrical Engineering). Gross Value - \$250,000.00.
- d. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for An Investigation of Dental Writing (to be known as National Institutes of Health Project No. 1169 - Ext. #3 - School of Journalism). Gross Value - \$22,390.00

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- e. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for Clinical Research Center (to be known as National Institutes of Health Project No. 1196 - Ext. #3 - Department of Medicine).
Gross Value - \$397,707.00.
- f. Agency for International Development, Washington, D. C., for Preparing and Conducting Series of Training Courses in Fundamentals of Supply Management for Foreign Nationals (to be known as Agency for International Development Project No. 1221 - Amend. #2 - Defense Management Center).
Gross Value - \$11,755.00.
- g. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for Cooperative Study of Renovascular Hypertension (to be known as National Institutes of Health Project No. 1346 - Amended Ext. #2 - Department of Surgery).
Gross Value - \$1,702.00.
- h. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Exchange Protolysis of Molecules in Solution (to be known as National Institutes of Health Project No. 1383 - Ext. #2 - Department of Chemistry).
Gross Value - \$19,453.00.
- i. National Aeronautics and Space Administration, Washington, D. C., for Theoretical and Experimental Analysis of the Electromagnetic Scattering and Radiative Properties of Terrain, with Emphasis on Lunar-like Surfaces (to be known as National Aeronautics and Space Administration Project No. 1388 - Sup. #2 - Department of Electrical Engineering).
Gross Value - \$100,000.00.
- j. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois, for an Investigation of Kinetics of Ionizing-Radiation Induced Reactions in Organic Compounds (to be known as U. S. Atomic Energy Commission Project No. 1398 - Mod. #2 - Department of Chemistry).
Gross Value - \$25,113.00.
- k. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for Hemodynamic Studies (to be known as National Institutes of Health Project No. 1409 - Ext. #2 - Department of Physiology).
Gross Value - \$10,200.00.

December 13, 1963 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- l. Aerospace Medical Division, AF Systems Command, P. O. Box 35448, Brooks AFB, Texas, for an Investigation of Visual Recovery from Brief Exposures to Very High Luminance Levels (to be known as Aerospace Medical Division Project No. 1467 - Sup. #6 - School of Optometry).
Gross Value - \$4,500.00.
- m. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Mechanism of Thyroid Hormone Action (to be known as National Institutes of Health Project No. 1516 - Ext. #2 - Department of Agricultural Biochemistry).
Gross Value - \$10,200.00.
- n. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Lipid Metabolism: Absorption and Transport (to be known as National Institutes of Health Project No. 1518 - Ext. #1 - Department of Physiological Chemistry).
Gross Value - \$19,530.00.
- o. U. S. Navy Purchasing Office, 929 South Broadway, P. O. Box 5090 Metropolitan Station, Los Angeles, California, for a Study Program Related to Shipboard Antenna System Environment (to be known as U. S. Navy Purchasing Office Project No. 1522 - Mod. #3 - Department of Electrical Engineering).
Gross Value - \$60,000.00.
- p. Systems Engineering Group, Research and Technology Division, WPAFB, Ohio, for An Investigation of Interdiffusion in Metallic Single Crystals (to be known as Systems Engineering Group Project No. 1561 - Sup. #2 - Department of Metallurgical Engineering).
Gross Value - \$32,133.00.
- q. Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research on Techniques for Integration of Active Elements into Antennas and Antenna Structure (to be known as Aeronautical Systems Division Project No. 1566 - Sup. #2 - Department of Electrical Engineering).
Gross Value - \$119,999.00.
- r. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Anabolic Control in Normal and Neoplastic Tissues (to be known as National Institutes of Health Project No. 1571 - Ext. #1 - Department of Agricultural Biochemistry).
Gross Value - \$15,651.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- s. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Postmortem Survival of Fetal Liver (to be known as National Institutes of Health Project No. 1578 - Ext. #1 - Children's Hospital). Gross Value - \$26,735.00.
- t. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of the Nature of Conditioned Renal Responses (to be known as National Institutes of Health Project No. 1628 - Ext. #1 - Department of Psychiatry). Gross Value - \$30,300.00.
- u. Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Intermittent Research Analysis Services in Flight Control (to be known as Aeronautical Systems Division Project No. 1635 - Sup. #2 - RF Internal Supervision). Gross Value - \$25,000.00.
- v. U. S. Army Biological Laboratories, Fort Detrick, Frederick, Maryland, for Investigations of the Nutritional Requirements for the Growth of Insect Tissues (to be known as U. S. Army Biological Laboratories Project No. 1684 - Mod. #1 - Department of Zoology and Entomology). Gross Value - \$25,000.00.
- w. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Salt and Water in Connective Tissue Swelling (to be known as National Institutes of Health Project No. 1715 - Ext. #1 - Department of Physiology). Gross Value - \$7,860.00.
- x. Air Force Institute of Technology, Air University, USAF, Wright-Patterson Air Force Base, Ohio, for Research and Services to Revise and Present Courses of Instruction in the School of Systems and Logistics (to be known as Air Force Institute of Technology Project No. 1717 - Sup. #1 - Defense Management Center). Gross Value - \$790.00.
- y. National Science Foundation, Washington, D. C., for Nuclear Structure Research with a 5.5 MeV Electrostatic Accelerator (to be known as National Science Foundation Project No. 1743 - New - Department of Physics). Gross Value - \$182,800.00.

December 13, 1963 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- z. Research and Development Procurement Office, U. S. Army Engineer Research and Development Laboratories, Fort Belvoir, Virginia, for Investigation Into the Problems of Relative Orientation in Stereo-Aerial Photogrammetry (to be known as Research and Development Procurement Office Project No. 1761 - New - Department of Geodetic Science).
Gross Value - \$3,996.00.
- aa. National Science Foundation, Washington, D. C., for an Investigation of Turbulent Motion and Mixing (to be known as National Science Foundation Project No. 1762 - New - Department of Chemical Engineering).
Gross Value - \$31,700.00.
- bb. Department of Health, Education and Welfare, Bureau of State Service, Washington, D. C., for A Study of the Biological Storage System (to be known as Bureau of State Service Project No. 1763 - New - Department of Mathematics).
Gross Value - \$6,500.00.
- cc. Electronic Systems Division, AFSC, Laurence G. Hanscom Field, Bedford, Massachusetts, for Research Directed Toward the Determination of Absolute F-Values (to be known as Electronic Systems Division Project No. 1764 - New - Department of Astronomy).
Gross Value - \$12,500.00.

TOTAL - Government Contracts - Federal \$1,495,576.00

2. Industrial and Other Contract

- a. Health Research, Inc., Roswell Park Division, 666 Elm Street, Buffalo, New York, for Breast Adjuvant Study (to be known as Health Research, Inc. Project No. 1569 - Check #18514 - Department of Surgery).
Gross Value - \$1,500.00.

The foregoing thirty contracts for research in cooperation with Government, Industry and Other represent a gross income of \$1,497,076.00.

Upon motion of Mr. Allyn, seconded by Mr. Jones, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were unanimously approved.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts
from the Engineering Experiment Station

During the period from November 1, 1963 through November 30, 1963 the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record.

1. Government Research Contract

EES 239 Development of a Strength Design Method for Asphaltic Concrete, Ohio Department of Highways, Columbus, Ohio, Bureau of Public Roads, Washington, D. C.
Gross Value - \$58,200.00.

2. Industrial Research Contract

EES 240 Experimental Evaluation of Piezoresistive Properties of Elemental Boron, International Business Machines, Components Division, Poughkeepsie, New York.
Gross Value - \$18,000.00.

The foregoing two contracts for research in the Engineering Experiment Station represent a gross income of \$76,200.00.

C. Agreement Between The Ohio State University and the
Agency for International Development for Technical
Assistance to the University of Sao Paulo, Brazil

The Ohio State University through its College of Agriculture and Home Economics has been invited to provide technical assistance to the College of Agriculture of the University of Sao Paulo, a state-supported university, as part of the program administered by the Agency for International Development (AID) of the United States Department of State. The request is for The Ohio State University to provide advice and assistance to the College of Agriculture of the University of Sao Paulo to further the integration of teaching, research, and extension in the pattern of the United States Land-Grant System and to assist the research and extension agencies to enable them to better serve the agricultural needs of the State of Sao Paulo and other areas of Brazil as mutually agreed upon.

A pre-contract survey team representing the Office of the President and the Dean of the College of Agriculture and Home Economics, after an on-site inspection of facilities and consultation with representatives of the United States Department of State, the University of Sao Paulo, public officials of the State of Sao Paulo, and the Brazilian Government, has proposed that the University negotiate a contract with the Agency for International Development for the purposes set forth above.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

C. Agreement Between The Ohio State University and the Agency for International Development for Technical Assistance to the University of Sao Paulo, Brazil (continued)

It is therefore recommended that the President be authorized to sign a contract on behalf of The Ohio State University in which the University agrees to assist in performing the services indicated above with the understanding that all costs for this program are to be covered by funds from the Agency for International Development. The total value of the contract proposed is \$965,000.00 for the initial two-year period.

Upon motion of Mr. Davis, seconded by Mr. Loop, the Board of Trustees by unanimous roll call vote authorized the President to sign a contract between The Ohio State University and AID for technical assistance to the University of Sao Paulo, Brazil.

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IV. GRANTS AND GIFTS

The following grants and gifts to the University, including the establishment of certain endowment funds, are hereby reported for the record and appropriate expressions of appreciation have been conveyed.

A. Administered Through the Office of Business and Finance

1. \$270,700.00 granted by the National Science Foundation to the University for support of an "Academic Year Institute in Science and Mathematics for Secondary School and College Teachers of Science and Mathematics," under the direction of Professor John S. Richardson, Department of Education. This grant terminates on or about September 30, 1965. (Grant GE-3388)
2. \$33,933.00 from the W. K. Kellogg Foundation for support of the Medical Dietetics Program of the College of Medicine, for the period October 1, 1963 through September 30, 1964.
3. \$12,204.00 granted by the Department of Health, Education and Welfare, Office of Vocational Rehabilitation, Washington 25, D. C., to the University for a "Teaching Grant in Medical Sociology," under the direction of Professor Saad Z. Nagi, Department of Sociology and Anthropology, for the period December 1, 1963 through August 31, 1964. (Grant VRA 473-T-64)
4. \$9,504.00 from The Population Council of The Rockefeller Institute for support of a study "Clinical and Laboratory Evaluation of the Intra-uterine Coil," under the direction of Professor Nichols Vorys, Department of Obstetrics and Gynecology, for the period November 1, 1963 through October 31, 1964.

December 13, 1963 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

5. \$600.00 additional grant from the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for a "Teaching Grant and Traineeships in Speech Pathology and Audiology," under the direction of Dr. Bernard B. Schlanger, Department of Speech, for the period September 1, 1963 through August 31, 1964. (Grant VRA 22-T-64)

TOTAL - Through the Office of Business and Finance \$326,941.00

B. Received Through the Development Fund

1. \$20,150.00 from General Motors Corporation for undergraduate scholarships.
2. \$13,762.50 in securities (300 shares of Gulf Oil Corporation common stock) from Mr. Everett D. Reese for The Gilbert A., J. Calvin and Everett D. Reese Fund. These securities are listed at their mean market price as of November 13, 1963.

The Gilbert A., J. Calvin and Everett D. Reese Fund

The Gilbert A., J. Calvin and Everett D. Reese Fund was established November 13, 1963 by a gift through the Development Fund from Everett D. Reese, B.Sc. Business Administration '19.

The principal is to be invested under rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The use of the income is to be determined by Everett D. Reese during his lifetime, or by his designee after his decease, as long as the use is for an appropriate University purpose. After the decease of said Everett D. Reese and after the decease or expiration of the term of the designee, if one be appointed, the income is to be expended on order of the Board of Trustees of The Ohio State University, upon recommendation of the Board of Directors of The Ohio State University Development Fund. It is requested that a preference be given to loans or scholarships.

3. \$10,000.00 in securities (160 shares Buckeye Union Casualty Company stock) from Mrs. Frederick E. Jones to be credited to the Virginia Kelsey Jones Fund.
4. \$5,000.00 from Eli Lilly and Company, Indianapolis, Indiana, for research in infectious diseases under the direction of Dr. Samuel Saslaw.
5. \$5,000.00 from Smith, Kline and French Laboratories, Philadelphia, Pennsylvania, for research in Chemistry under the direction of Dr. Michael P. Cava.

December 13, 1963 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

6. \$5,000.00 from The Ohio National Bank Trust Department representing a bequest under Item 11 of the Will of Grace M. Bareis for the Grace M. Bareis Memorial Fund.

Grace M. Bareis Memorial Fund

The Grace M. Bareis Memorial Fund was established November 19, 1963 by a bequest under Item 11 of the Last Will and Testament of Grace M. Bareis.

The principal is to be invested under rules and regulations adopted by the Trustees of The Ohio State University with right to invest and reinvest as occasion dictates.

The income is to be used each year for the purpose of assisting some student, preferably a woman student, specializing in mathematics. In the event that said award is not made in any year, the interest on said fund shall accumulate and such accumulated interest shall be used for such purpose.

7. \$4,400.00 from the Columbus Foundation, Columbus, Ohio, for research in child development by the Department of Pediatrics.
8. \$2,500.00 from Hoffman-LaRoche, Inc., Nutley, New Jersey, for research in Obstetrics under the direction of Dr. Nicholas J. Teteris.
9. \$1,300.00 from Medical Research Consultants, Inc., Columbus, Ohio, for research in the Department of Obstetrics.
10. \$1,230.00 from Mark L. Morris Animal Foundation, Denver, Colorado, for research in Veterinary Medicine under the direction of Dr. R. W. Redding.
11. \$1,000.00 from Lawrence and Lee Educational Foundation, Inc., Beverly Hills, California, for American Playwrights Theatre Project.
12. \$1,000.00 from Clay Drain Tile Manufacturers, Inc., Glanford, Ohio, for scholarships.

TOTAL - Received Through the Development Fund \$70,342.50

Upon motion of Mr. Bricker, seconded by Mr. Ketterer, the above report of grants and gifts, including the establishment of certain endowment funds, was unanimously accepted, and the Secretary was instructed to include the report in the minutes of this meeting.

December 13, 1963 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

C. Report from The Ohio State University Development Fund

In November, 1963, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	2, 223	\$ 42, 255. 97
Individuals, other than alumni	107	3, 314. 50
Nonprofit organizations	24	34, 059. 90
Business concerns	11	42, 529. 18
	<u>2, 365</u>	<u>\$122, 159. 55</u>

Of these gifts, 1, 969 totaling \$11, 969. 86 were undesignated and 396 totaling \$110, 189. 69 were designated.

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V. APPROPRIATIONS AND TRANSFER OF FUNDS

A. Appropriations for the Development of Research Projects

At the request of the Vice President for Research, and with the concurrence of the Vice President for Business and Finance and the Cabinet, it is recommended that the following amounts be appropriated from the University Treasurer Research Subaccounts as designated, for the projects named:

\$8, 000. 00 to the College of Medicine, Office of Radiation Safety, to match college funds for a multi-channel analyzer to be used as a rapid special analysis and detector instrument for the Office of Radiation Safety as well as a research instrument in the Department of Radiology

Subaccount (a)

\$7, 000. 00 to the College of Pharmacy to match college funds for renovation and installation of new equipment in Room 6 of the Pharmacy and Bacteriology Building so that the room may be converted into a research laboratory

Subaccount (c)

Upon motion of Mr. Davis, seconded by Mr. Loop, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

B. Numerical Computation Laboratory

The operation of the Numerical Computation Laboratory requires support in addition to that forthcoming from appropriated funds and from the income of the Laboratory. This support is primarily required due to use of the Laboratory in non-sponsored research activities.

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

B. Numerical Computation Laboratory (continued)

It is therefore proposed to meet these expenses for the academic year 1963-64 as follows:

1. An amount not to exceed \$25,000.00 to be appropriated from the military portion of the Mershon Fund.
2. An amount not to exceed \$100,000.00 to be appropriated from University Treasurer Research Subaccount (f).

At the request of the Vice President for Research and with the concurrence of the Cabinet, it is recommended that the above proposal be approved.

Upon motion of Mr. Allyn, seconded by Mr. Bricker, the above recommendation for appropriation of funds was unanimously approved by roll call vote,

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VI. EXTRA ORDERS TO CONTRACTS

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra Orders to Contracts as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated in each case.

A. Research Space - East Side of Stadium (Phase II, Personnel Research Board)

Heating, Ventilating and Air Conditioning Contract

It is recommended that a second air cooled condenser be furnished and installed to take care of future third floor.

Add \$2,022.00

Funds will be provided from Budget Account 19916, H. B. 711.

B. Dining Facility South (Bradford Commons)

Plumbing Contract

It is recommended that the following changes be made:

1. Omit the moving of the existing fire hydrant from the sidewalk along 12th Avenue. Deduct \$40.00.

December 13, 1963 meeting, Board of Trustees

VI. EXTRA ORDERS TO CONTRACTS (continued)

B. Dining Facility South (Bradford Commons) (continued)

Plumbing Contract (continued)

2. Omit cold water connections for ice makers and provide cold water connections for a new ice maker in a different location; omit 3 mixing faucets and traps and wastes for two sinks and provide one wall mounted mixing faucet at each of these two locations. Deduct \$36.00.
3. Provide a storage tank with recirculating lines and a circulating pump, connected to the instantaneous convertors for the 190° water system for the dishwasher and pot and pan washer. Add \$1,113.00. Net Extra \$1,037.00

Funds will be provided from Dormitory Construction Funds.

Upon motion of Mr. Davis, seconded by Mr. Ketterer, the above recommendation was unanimously approved by roll call vote.

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VII. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of materials and estimates of cost for the following projects be approved by the Board of Trustees:

A. McPherson Laboratory - Window Repairs

Replace original steel sash in 1923 section of the building with new aluminum double hung windows including new marble sills and plaster repairs at window heads and jambs.

Funds will be provided from Department 2355, Budget Account 12350, Maintenance Account, H. B. 711.

B. University Hospital - Renovation of Seven Areas (Phase I, Rehabilitation of Pharmacy--Rooms 368 and 377, Modification of Waiting Room #N-1009)

Redesign pharmacy facilities for combined inpatient and outpatient dispensing in Room 368 and all compounding of prescriptions in Room 377. Remodel existing patient waiting area to provide both a waiting room and small reception office.

Funds for this project will be provided from the University Hospital Rotary.

December 13, 1963 meeting, Board of Trustees

VII. PLANS AND SPECIFICATIONS (continued)

C. Starling Loving Window Repairs

Replace twenty-three casement windows in west face of "M" Wing (1924 construction) with new double-hung aluminum windows.

Funds for this project will be provided from Department 2355, Budget Account 12350, Maintenance Account, H. B. 711.

D. Improvements to Fifth Avenue Dam Across the Olentangy River Between Fifth and King Avenues

To raise the crest of the existing Fifth Avenue Dam located across the Olentangy River eighteen inches and to make minor repairs to the existing spillway, apron and abutments. The increased pool capacity will benefit the University power and heating facilities.

Funds for this project will be provided from proceeds of Issue No. 1 as appropriated by the 105th General Assembly.

E. Repair of Electrical Distribution and Lighting in Botany and Zoology Building, Derby Hall, Hamilton Hall, Page Hall and Stillman Hall

Increasing and replacing the electrical wiring in the buildings in order to change the lighting fixtures from incandescent to fluorescent thereby increasing the foot-candles of light from 5 or 10 to 30 or 35. This work is being done in areas which are primarily used for classrooms, laboratories and other rooms where large numbers of students assemble.

Funds will be provided for this project from Department 2355, Budget Account 12350, Maintenance Account, H. B. 711.

Upon motion of Mr. Davis, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter will be reported to the Board of Trustees at a later meeting.

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VIII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contracts for the following projects have been recommended for award and the action is hereby reported to the Board:

VIII. REPORT OF AWARD OF CONTRACTS (continued)

A. Improvements in Electrical Systems, University Hospital

Bids were received on December 5, 1963 for this project and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(7 bids received)		
Jess Howard Electric Company		
(Columbus)	\$296,747.00	\$291,300.00

Funds for this project will be provided from the University Hospital Rotary.

B. University Hospital - Repairs to Rooms 473, 476, 478, 479 and N729

Bids were received on December 5, 1963 for this project and the award of contracts recommended to the lowest and best bidders as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(8 bids received)		
Waller and Lund, Inc. (Columbus)		
Base Bid	\$ 19,870.00	\$ 23,030.00
Alternate G-2 Operating Room		
Door Check	550.00	600.00
Total General Contract	\$ 20,420.00	\$ 23,630.00

<u>Heating and Ventilating Contract</u>		
(3 bids received)		
Dotter, Inc. (Columbus)	2,295.00	4,600.00

Plumbing Contract
(2 bids received)
Neither bid was under the estimate of cost and this division is being re-advertised.

<u>Electrical Contract</u>		
(2 bids received)		
Fast Electric Company (Columbus)	10,975.00	15,900.00
Total All Contracts	\$ 33,690.00	\$ 44,130.00

Funds for this project will be provided from the University Hospital Rotary.

Upon motion of Mr. Allyn, seconded by Mr. Ketterer, the above award of contracts and expenditure of funds were approved and the action of the Vice President, Business and Finance, ratified by unanimous roll call vote.

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IX. CONTROLLING BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

- 33 Approves the transfer of \$464,000.00 from Account 200 Maintenance to Account 404 Urban Renewal Land to provide funding for the Urban Renewal Project No. R-46 until funds from the Bond Issue can be made available.
- 34 Approves the expenditure of \$464,000.00 from Account 404 Urban Renewal Land to provide funds to enter into a Land Disposition Contract with the City of Columbus.
- 36 Approves the University performing remodeling work on 48 private patient rooms in order to bring them up to modern standards and authorizes this work done on a force account basis.

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X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Special Policeman Commission

At the request of the Vice President, Business and Finance, it is recommended that George Edward Nance be designated as Special Policeman pursuant to the provisions of Section 3345.04 of the Revised Code of Ohio; and that in further compliance with the provisions of said section, the Board of Trustees require Mr. Nance, as well as any other employee of this institution designated as Special Policeman, to take the oath of office and give bond to the State of Ohio in an amount no less than One Thousand Dollars (\$1,000.00) prior to assuming the duties of Special Policeman.

Upon motion of Mr. Davis, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

B. Purchase of Buildings and Property, 90 West 10th Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Delta Sigma Delta House Corporation at a price of \$33,000.00:

Property known as 90 West 10th Avenue, being Lots
#32 and 33 of College Place Addition, City of
Columbus, County of Franklin, State of Ohio.

Funds are available from proceeds of the Bond Issue.

Upon motion of Mr. Jones, seconded by Mr. Ketterer, the above recommendation was unanimously approved by roll call vote.

XI. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the death of Sheldon C. Robertson, Assistant Professor Emeritus of the Romance Language Department; John Franklin Lyman, Professor Emeritus of Agricultural Biochemistry; and Dan Harrison Eikenberry, Professor Emeritus of Education; and, in accordance with the instructions of the Board of Trustees, copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board have been furnished the families of the deceased.

A. Sheldon C. Robertson

The Board of Trustees expresses its sorrow at the death on October 1, 1963 of Sheldon C. Robertson, Assistant Professor Emeritus of the Romance Language Department.

Professor Robertson was born in Richwood, Ohio, August 20, 1904. He obtained his B.A. degree in 1927 at The Ohio State University. He attended the University of Berlin in 1931 and spent the following year at the University of Nancy in France. He also studied in Mexico and Spain. Before returning to Ohio State he taught for several years at Oakwood High School in Dayton. He returned to Ohio State where he received his M.A. degree in 1937. Until the time of his retirement in 1961, he taught both French and Spanish in the Department of Romance Languages.

He was a dedicated teacher and organized a widely acclaimed radio course in Spanish. During the war he was in charge of Spanish instruction for the Army Student's Training Corps.

Professor Robertson was an outdoorsman; a naturalist who was particularly interested in the geography and culture of Northern Quebec. He continued his study of languages after his retirement, including his most recent study of the Cree Indian language.

Professor Robertson was a man of great physical and moral strength, but perhaps his outstanding characteristic was his gentleness. He will be missed by a host of friends and students.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

B. John Franklin Lyman

The Board of Trustees expresses its sorrow at the death on November 19, 1963 of John Franklin Lyman, Professor Emeritus of Agricultural Biochemistry.

Professor Lyman was born on February 20, 1881 at Mesopotamia, Ohio. Following the earning of his Bachelor of Science degree at the University of Massachusetts in 1905, he was appointed Assistant in the Department of Agricultural Chemistry at The Ohio State University. In 1906 he became Assistant in Biology at Yale University, where he became a student of

XI. RESOLUTIONS IN MEMORIAM (continued)

B. John Franklin Lyman (continued)

Professor Lafayette B. Mendel, who probably contributed more to development of modern biochemistry than any other American scholar. Dr. Lyman returned to The Ohio State University in 1909 as Associate Professor and in 1915 succeeded Dean Alfred Vivian as Professor and Chairman of the Department of Agricultural Chemistry (later Agricultural Biochemistry)--a post he held until 1948 when he relinquished the Chairmanship. Professor Lyman continued his teaching until 1951 when he became Professor Emeritus.

Professor Lyman was a leader in investigations on metabolism of purines, fats and calcium and was recognized as an outstanding nutritionist. He became well known for his research in the chemistry of milk in relation to its use by the human infant. This research laid much of the early foundation for the modern development of the modification of cow's milk to assure optimum nutrition of the human infant. He held memberships in the American Society of Biological Chemists and the American Chemical Society for over fifty years. He also was a member of the Society for Experimental Biology and Medicine. He was a charter member of the American Institute of Nutrition and the Institute of Food Technologists.

During his long tenure at this University, he served well on many important committees and councils, never losing sight of the scholarly mission of the University. He was instrumental in bringing to Ohio State the great importance of the field of nutrition to the general welfare of man and was an organizer of the Institute of Nutrition and Food Technology.

With all of Professor Lyman's professional contributions, he was best known as a teacher of great modesty and warmth, who always had the welfare of his students and colleagues at heart. He was a man truly loved and admired by his students, associates and friends, for his life was so devoted to serving others.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

C. Dan Harrison Eikenberry

The Board of Trustees expresses its sorrow at the death on November 30, 1963 of Dan Harrison Eikenberry, Professor Emeritus of Education.

Dr. Eikenberry was born on December 14, 1888, in Howard County, Indiana. He received the A.B. degree in 1911 and the M.A. degree in 1915 from Indiana University. Teachers College, Columbia University, awarded him the Ph.D. degree in 1924.

He had a distinguished career as an educator both in public school and college. His public school teaching experience was in Indiana where he was a high school teacher and principal at Fairmount from 1911-1914; a high school teacher at Muncie, 1914-1916; and a high school principal at Mishawaka, 1916-1917, and at Crawfordsville, 1919-1921.

XI. RESOLUTIONS IN MEMORIAM (continued)

C. Dan Harrison Eikenberry (continued)

During his career as a college and university educator, he was an instructor in the summer sessions of 1920 and 1921 at Indiana University; Assistant Professor of Education at Rutgers University, 1922-1924; and Associate Professor of Education, 1924-1925, and Professor, 1925-1927, at the University of Missouri.

In 1927 Dr. Eikenberry came to The Ohio State University where he served as Professor of School Administration until 1933. From 1933 until his retirement in 1959, he was Professor of Education, during which time he was Chairman of the Department of Education from 1942-1948.

Dan Harrison Eikenberry has been responsible for the improvement of educational programs in many parts of this Nation. His great energy and his deep concern for high standards, for thoroughness, for accuracy, and for the development and use of basic criteria in attacking problems of education have been balanced by his wisdom in human relations. These qualities, expressed through his professional contacts with thousands of teachers and educational administrators, have made his influence widely felt.

He gave much of his time and energy to extensive service beyond his classroom teaching. He counseled several state departments of education. He was a member of the Commission on Secondary Schools of the North Central Association of Colleges and Secondary Schools and chairman of its Ohio State Committee. He led a survey of Chicago high schools and was chairman of the Ohio Committee on Co-operative Secondary School Standards.

Noted among his extensive research and publications are The Need for the Upward Extension of Secondary Education in Ohio, 1954, and An Introduction to Guidance, as well as many educational articles including "Status of the High School Principal," "Survey of the Missouri High Schools," "Ohio High School Standards, 1937," "Suggested Studies in Secondary Education," and Survey of Chicago High Schools, 1932, which he co-authored with Milo H. Stuart.

For many years Professor Eikenberry has been a national leader in exploring the needs and possibilities for education beyond the high school. Reports of his studies and those of his students on this subject are now used throughout the country by educators in creating post-high school programs to care for the Nation's expanding educational needs.

In recognition of Professor Eikenberry's distinguished career as a nationally recognized leader in the field of education, able and effective administrator, and his significant contributions to The Ohio State University, he was awarded the University's Distinguished Service Award at the August 1963 Commencement.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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December 13, 1963 meeting, Board of Trustees

XII. REPORTS

A. Report on Investment Portfolio

The report on the University's Investment Portfolio dated November 30, 1963 was presented to the Board of Trustees. The Secretary was instructed to file a copy of the report with the official records of the Board of Trustees.

B. Report on Highlights of Campus Activities

In concluding the meeting, President Fawcett reviewed some of the highlights of campus activities during the past month as compiled by the Executive Director, Office of University Relations. The Secretary was instructed to file a copy of the report with the official records of the Board of Trustees.

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Thereupon the Board adjourned to meet Friday, January 17, 1964, at The Ohio State University, Columbus, Ohio, at ten o'clock.

Attest:

John T. Mount
Secretary

Thomas F. Patton
Chairman

APPENDIX V

Degrees Conferred at
THE OHIO STATE UNIVERSITY COMMENCEMENT
December 20, 1963

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RECIPIENTS OF HONORS

ROBERT BINGHAM DOWNS

DOCTOR OF HUMANE LETTERS

*Distinguished and creative leader in research librarianship,
noted author, tireless advocate of library cooperation*

Robert Bingham Downs, dean of library administration and director of the Graduate School of Library Science at the University of Illinois, has made one of the greatest contributions to the advancement of domestic and world scholarship of any living librarian. He has devoted unceasing effort to the preparation of significant bibliographies and other works indicating important sources of research library materials and, by his example, has encouraged others to do the same. Realizing that no research library can be sufficient unto itself, he has worked continuously and effectively to further the spirit and the reality of cooperation among academic and research libraries in order better to support scholarship on a global basis.

Born in North Carolina, Robert B. Downs received the bachelor's degree from the University of North Carolina and the bachelor's and master's degrees in library science from Columbia University. He has served with distinction as the librarian of Colby College, the University of North Carolina, and New York University. In 1943 when he was appointed director of the Library and the Library School at the University of Illinois, the institution already had an excellent collection exceeding 1,800,000 volumes. Under Professor Downs' able leadership this library today contains a magnificent collection in excess of 3,650,000 volumes, ranking it the largest among state universities, the third largest university collection in the United States, and one of the truly great libraries of the world.

Robert Downs has published four books dealing with the resources and locations of American research materials, a book of humor in collaboration with Mrs. Downs, three volumes devoted to the effects of books on the development of civilization, one on the status of academic librarians, and has authored numerous articles for periodicals and books. His *Books That Changed the World* has been translated into Japanese, Korean, Indonesian, Spanish, and Bengali.

In addition to his activities in a number of scholarly societies, Dean Downs has made many and substantial contributions to research librarianship.

At the peak of his career after more than forty years of distinguished service in which he has made an indelible impression upon national and world scholarship, Professor Downs may look backward with satisfaction and forward with anticipation to rich years of vigorous service and effective leadership to the library profession.

CLARENCE DEWEY LAYLIN

DOCTOR OF LAWS

*Brilliant lawyer, effective public servant, inspiring teacher,
outstanding Christian layman*

Clarence Dewey Laylin, born four score and one years ago in Norwalk, Ohio, is thoroughly Ohioan not only by birth but in formal education, in public service, in church and community leadership, and in the practice of his chosen profession. His life is a success story in the best American tradition—a man highly respected among his professional fellows, beloved by his legion of friends, esteemed by his community, and adored by his family.

Following graduation from The Ohio State University College of Law and admission to the Bar of Ohio in 1906, Mr. Laylin entered public service as assistant attorney general of Ohio and, later, as special counsel to the attorney general of Ohio. A considerable part of the underlying tax structure of this State bears witness to his legal statesmanship and to his skill as a statutory draftsman. His service of sixteen years duration in the office of the attorney general overlapped by a period of twenty-years as a professor in the College of Law of which he is a graduate. Those who were privileged to study law under his guidance, among whom are today many of Ohio's leading practitioners and judges, testify without reservation to the greatness of his teaching. An undergraduate Phi Beta Kappa and in law school a member of the coveted Order of the Coif, Clarence Laylin, as a professor of law, displayed a keenness of intellect that challenged the minds of those he taught, yet balanced this quality with a warmly sincere interest in the problems and aspirations of his students and with a delicate sense of humor and humility.

After leaving the University in 1937, Mr. Laylin entered the active practice of law in Columbus. In the ensuing quarter of a century, he has earned among the lawyers of Ohio a level of respect which does not come to many in professional relationships. Throughout this distinguished career in law as a practitioner, public servant, and teacher, Mr. Laylin has participated continuously and meaningfully in the life of his church and his community. For Methodism and the wider Christian fellowship of Ohio he has been a tower of strength not only as an active official and counsellor but also as the embodiment of impeccable personal integrity and of the common good. He is respected highly for his active and effective involvement in the advancement of community welfare.

Whether judged for technical legal acumen or for legal statesmanship, Clarence D. Laylin has no peer. He is one of the few who has attained the ultimate heights in professional achievement and renown.

HERMAN B WELLS
DOCTOR OF HUMANE LETTERS

*Builder of a university, master of educational statesmanship at
home and throughout the world*

The transformation of Indiana University during the past quarter of a century into one of the Nation's foremost centers of education and research may be attributed largely to many dedicated scholars and teachers, but there is ample testimony that they would agree to identify Herman B Wells both as the symbol and the stimulus of their trajectory. As president of Indiana University, Herman Wells gained the affection of a generation of students and the admiration and respect of the faculty, alumni, and the people of his state.

During the highly productive twenty-five year tenure of his presidency, the impact of Herman Wells' educational statesmanship became evident far beyond the borders of the university campus or the boundaries of the Hoosier State. He rendered a continuing and outstanding service through his remarkable capacity to interpret to Americans the educational needs and desires of the world's underprivileged and culturally deprived peoples. He represented effectively the United States Government as a member with ministerial rank on the Allied Mission for Observation of Greek Elections and, also, as an advisor on cultural affairs in Germany. He was appointed by President Eisenhower in 1957 as a delegate to the United Nations. In 1958 he toured the Soviet Union as a member of a delegation of college presidents studying Russian higher education. Later he served as an educational consultant in Pakistan, and in 1960 he represented American universities at the SETO conference on higher education in Southeast Asia.

Herman Wells graduated from Indiana University as a specialist in banking and finance. Following several successful years of practical experience in this field, he returned to his Alma Mater to serve first as dean of the School of Business Administration and then as president of the university during an unprecedented period of growth from 1938 until 1962.

Today, Herman B Wells holds the dual title, president of the Indiana University Foundation and chancellor of Indiana University. Consistent with the pattern of dynamic leadership that he has demonstrated since his college days, he continues to serve with distinction, vigorously and effectively, the esteemed institution of higher learning to which he has dedicated his life and devoted his professional career. He has, indeed, become the image of the world-citizen educator.

GRADUATE SCHOOL

Dean: RICHARD ARMITAGE

Doctor of Philosophy

- Charles Kissam Allen, B.A., M.A.....Pittsburgh, Pa.
Dissertation: The Effects of Massed and Distributed Practice in Short-Term Memory
Field of Specialization: Psychology
- William Delmar Allen, B.Sc. in Soc.Adm., M.A. in Soc.Adm.
Tallahassee, Fla.
Dissertation: An Exploratory Study to Determine the Extent to Which Retired Persons Utilize Social Work Services in Columbus, Ohio, 1963
Field of Specialization: Social Work
- Jawad Naki Al-Sheikh, B.S. in P.E. (University of Texas); M.S. (Rice Institute)Kadhmain, Iraq
Dissertation: Prediction of Flow Patterns in Horizontal Two-Phase Fluid Flow
Field of Specialization: Chemical Engineering
- John Robert Baechle, B.E.E., M.Sc.....Lancaster
Dissertation: The Effects of Curvature on Traveling-Wave Antennas
Field of Specialization: Electrical Engineering
- Robert Arlen Barnes, B.S.M.E. (West Virginia University); M.Sc.
Columbus
Dissertation: The Solution of Plane Elasticity Problems by Displacement Functions with Special Emphasis on Problems with Mixed Boundary Conditions
Field of Specialization: Engineering Mechanics
- John Bolton Bartlett, B.A., M.F.A. (Bob Jones University)Columbus
Dissertation: Bryan, Chautauqua's Orator
Field of Specialization: Speech
- Esther Steinhauer Battle, A.B. (Antioch College); M.A....Yellow Springs
Dissertation: Achievement Values, Standards and Expectations: Their Effect on Children's Task Persistence and Academic Competence
Field of Specialization: Psychology
- Sarvan Kumar Bhatia, B.A., M.A. (Punjab University)
Chandigarh, Punjab, India
Dissertation: The International Labor Organization and the Developing Countries with Primary Reference to India
Field of Specialization: Economics
- Mary Otteson Blake, B.A. (Saint Olaf College); M.A.....Owatonna, Minn.
Dissertation: Enforced Observation in Delayed Response Learning of Frontal Monkeys
Field of Specialization: Psychology
- Allen Boyd Bogarad, B.A., M.A.....Springfield
Dissertation: A Rhetorical Analysis of the Speaking of John A. Bingham with Emphasis on His Role in the Trial of the Lincoln Conspirators
Field of Specialization: Speech
- Sister Mary Angelina Breaux, B.A. (Our Lady of the Lake College);
M.S. in H.E. (University of Texas).....San Antonio, Tex.
Dissertation: Selected Personality Characteristics and Their Relationship to Academic Achievement
Field of Specialization: Home Economics

- Barbara Fuerst Brech, A.B. (Indiana University); A.M. (University of Illinois)Bloomington, Ind.
Dissertation: Motive des Schweigens in Storms Novellen
Field of Specialization: German
- Emery Brewer, A.B. in Ed., M.A. in Ed. (University of Kentucky) ..Dayton
Dissertation: A Survey of Arithmetic Intra-class Grouping Practices in the Elementary Schools of Ohio
Field of Specialization: Education
- Jerome Gough Bricker, B.S. (University of Akron); M.Sc.Columbus
Dissertation: The Effect of Hydrocortisone on Glutamic Dehydrogenase Activity in Rat Liver
Field of Specialization: Physiology
- Clement Alphonso Bronson, B.S. in Agri., M.S. in Agri. (Tuskegee Institute)Tuskegee, Ala.
Dissertation: An Evaluation of Selected Aspects of Agricultural Education Programs in the Inter-regional Land-Grant Institutions of the United States
Field of Specialization: Agricultural Education
- Howard C. Brown, B.S. (California State Polytechnic College); M.Sc. San Luis Obispo, Calif.
Dissertation: The Effect of Cycocel ([2-Chloroethyl] trimethylammonium Chloride) Applied to the Soil on the Inhibition of Growth and Mineral Element Content of the Foliage of Potted Poinsettias (Euphorbia pulcherrima Willd.)
Field of Specialization: Horticulture
- William George Burbick, A.B. (Bluffton College); M.A. New Wilmington, Pa.
Dissertation: Columbus, Ohio, Theater from the Beginning of the Civil War to 1875
Field of Specialization: Speech
- John Andrew Burke, Jr., B.S. (Texas Technological College); M.Sc. Paris, Tex.
Dissertation: Temperature Dependence of the Susceptibilities of Magnetically Anomalous Iron, Cobalt, and Nickel Complexes
Field of Specialization: Chemistry
- Stephen Wallace Calhoon, Jr., B.S. (Houghton College); M.Sc. Houghton, N. Y.
Dissertation: A Simultaneous Determination of Carbon, Hydrogen, and Nitrogen in Some Nitrogenous Organic Compounds
Field of Specialization: Chemistry
- Patrick Tracy Cleaver, A.B. (Miami University); M.A.Miamiville
Dissertation: The Development of an Index for Estimating Social Class Levels of City Blocks
Field of Specialization: Sociology
- Richard Glenn Cole, B.A. (Eastern New Mexico University); M.A. (State University of Iowa)Portales, N. Mex.
Dissertation: Eberlin von Günzburg and the German Reformation
Field of Specialization: History
- Billy Joe Colwell, B.A., LL.B. (University of Texas)Lockhart, Tex.
Dissertation: Amended Section Seven of the Clayton Act, Conglomerate Mergers, and Preventive Antitrust Policy
Field of Specialization: Economics
- Thomas J Davidson, Jr., B.S. (California State Polytechnic College); M.Sc. Santa Ana, Calif.
Dissertation: Phosphorus and Potassium Fixation of Selected Alluvial Soils from Honduras
Field of Specialization: Agronomy

- M. Leon Dodez, B.Sc. in Edu., M.A.....Coconut Grove, Fla.
*Dissertation: An Examination of the Theories and Methodologies of
 John Walker (1732-1807) with Emphasis upon Gesturing*
Field of Specialization: Speech
- Vera May Ellithorpe, B.S. in Arch., M.S. (Kansas State University)
 Manhattan, Kans.
*Dissertation: The Process of Relocation: Factors Affecting Housing
 Choice*
Field of Specialization: Home Economics
- Richard Dean Falb, B.S. in Chem. (Wheaton College).....Ft. Wayne, Ind.
*Dissertation: An Investigation of the Interactions of Non-conjugated
 Pi-Electron Systems*
Field of Specialization: Chemistry
- Donald Francis Faules, A.B. (McPherson College); M.A. (Southern
 Illinois University).....Greeley, Colo.
*Dissertation: Communicator Ability and the Ability to Elicit and Inter-
 pret Feedback under Four Conditions of Stimuli*
Field of Specialization: Speech
- Wilbur Leslie France, B.S. (Capital University); M.Sc.....London
Dissertation: Total Absorbance by Ammonia in the Infrared
Field of Specialization: Physics
- Emma Lila Fundaburk, A.B. (George Washington University); M.A.
 (Northwestern University).....Luverne, Ala.
*Dissertation: Business Corporations in Alabama in the Nineteenth
 Century*
Field of Specialization: Economics
- Donald Raymond Geiger, B.S. (University of Dayton); M.Sc.....Dayton
Dissertation: The Kinetics of Carbon-14 Translocation in Sugar Beet
Field of Specialization: Botany and Plant Pathology
- Edward Joseph Glamkowski, B.S. (Fordham College).....Woodside, N. Y.
*Dissertation: The Synthesis, Properties and Reactions of Steroidal α -
 Oximino and Diazoketones*
Field of Specialization: Chemistry
- Robert Blair Green, B.S. (Iowa State College); M.Sc.....Des Moines, Ia.
Dissertation: The General Theory of Antenna Scattering
Field of Specialization: Electrical Engineering
- Ned H Greenwood, B.S., M.S. (Brigham Young University)...Eagar, Ariz.
Dissertation: Water Resources and Irrigation Potential of the RSFSR
Field of Specialization: Geography
- Malcolm George Gressman, B.A. (Otterbein College); M.A...Anderson, Ind.
Dissertation: The Career of John Baldwin Buckstone
Field of Specialization: Speech
- Charles Ralph Gruner, B.S. in Ed., M.S. (Southern Illinois University)
 Pinckneyville, Ill.
*Dissertation: An Experimental Study of the Effectiveness of Oral Sa-
 tire in Modifying Attitude*
Field of Specialization: Speech
- Shirley Ann Harmon, A.B. (Marietta College); M.Sc.....Marietta
*Dissertation: An Analysis of the Genetic Determinant Controlling
 Penicillinase Production in Staphylococcus aureus*
Field of Specialization: Microbiology
- Paul Evan Hartman, B.Sc. in Edu., M.A.....Worthington
*Dissertation: An Evaluation of the Skill Level of Seniors Majoring in
 Physical Education at The Ohio State University*
Field of Specialization: Physical Education

- Charles Earl Hayden, B.Sc. in Edu., M.A.....Columbus
Dissertation: The School Counselor's Role: Premises and Reality
Field of Specialization: Education
- Barbara Anne Henker, A.B. (San Francisco State College); M.A.
 (Sacramento State College).....Sacramento, Calif.
Dissertation: The Effect of Adult Model Relationships on Children's
Play and Task Imitation
Field of Specialization: Psychology
- Oscar Mervine Henry, A.B. (Fisk University); A.M. (Harvard University)
 Wilberforce
Dissertation: The Doctrine of Affections in Selected Solo Cantatas
of Alessandro Scarlatti
Field of Specialization: Education
- Warren Miles Hoffnagle, A.B. (Knox College); M.A.....Chicago, Ill.
Dissertation: Arthur L. Garford: A Biography of an Ohio Industrial-
ist and Politician, 1858-1933
Field of Specialization: History
- Eugene Franklin Horn, B.S. (Dickinson College).....Columbus
Dissertation: Emission Spectrum of Nitric Oxide in the Near Infrared
Field of Specialization: Physics
- James Joseph Huber, B.Sc. in Agr., M.Sc.....Lockland
Dissertation: Some Physiological Effects of the Insecticide Kepone in
the Laboratory Mouse
Field of Specialization: Zoology
- Stuart Pollard Jackson, B.S.E. (Princeton University); M.Sc....Columbus
Dissertation: Investigation of a Combined Magnetic-Transistor Direct
Coupled Amplifier
Field of Specialization: Electrical Engineering
- John Hal Johnson, B.S., M.S. (Brigham Young University)
 Spanish Fork, Utah
Dissertation: The Variation of Isoamyl Alcohols, n Pentanol, and Two
Unknown Compounds in Tomato Juice, with Variety,
Harvest, Processing, Storage, and Food Additives
Field of Specialization: Horticulture
- Robert Faris Keefer, B.S. (Cornell University); M.Sc.....Bellaire
Dissertation: Chromatographic and Spectrographic Analyses of Soil
Organic Matter Extracts
Field of Specialization: Agronomy
- Raymond Hal Kelley, B.S. in E.P. (Montana State College); M.Sc.
 Colorado Springs, Colo.
Dissertation: An Investigation of the Radioactive Isotopes Produced
by He³ Bombardment of Sm¹⁴⁷ and Gd¹⁵²
Field of Specialization: Physics
- Richard Eugene Kelley, B.Sc. in Bus.Adm., B.Sc. in Edu., M.A...Nelsonville
Dissertation: The Design of an Incentive Factor to Supplement the
Ohio School Foundation Program
Field of Specialization: Education
- Lassi Antti Kivioja.....Columbus
Dissertation: The Effect of Topography and Its Isostatic Compensation
on Free Air Gravity Anomalies
Field of Specialization: Geodetic Science

- Leon Rosin Klein, B.Sc. in Bus.Adm., M.B.A.....Detroit, Mich.
Dissertation: The Rack Jobber in the Marketing Process: A Functional and Economic Analysis
Field of Specialization: Business Organization
- Thomas Harlan Koltveit, B.S.Ed., M.Ed. (University of North Dakota)
 Grand Forks, N. Dak.
Dissertation: The Utilization of a Minimal Goal Construct in the Study of Underachievement
Field of Specialization: Education
- Robert Paul Lacy, B.S., M.S. (Indiana State Teachers College)
 Stillwater, Okla.
Dissertation: Determining the Needs of Television and Radio Audiences in the State of Oklahoma
Field of Specialization: Speech
- William Chien-Yeh Lee, B.Sc. (Chinese Naval Academy) ; M.Sc.
 Taipei, Taiwan, China
Dissertation: Radar Cross Sections of Anisotropic Bodies
Field of Specialization: Electrical Engineering
- Thomas Leonard Lewis, A.B. (Oberlin College) ; M.S. (University of Rochester).....Rochester, N. Y.
Dissertation: A Paleocurrent Study of the Potsdam Sandstone of New York, Quebec, and Ontario
Field of Specialization: Geology
- Edgar Ray McAlister, B.S. (Harding College) ; M.B.A. (North Texas State College).....Texarkana, Tex.
Dissertation: Retail Instalment Sales: Growth and Legislation
Field of Specialization: Business Organization
- Shirley Frances McGill, B.A. (Mills College, California) ; M.S. (University of Washington).....Albuquerque, N. Mex.
Dissertation: A Determination of the Energy Cost of Golf during Play
Field of Specialization: Physical Education
- William Andrew McWorter, B.Sc., M.Sc.....Cleveland
Dissertation: ϕ Algebras
Field of Specialization: Mathematics
- Sami Khalil Mohamed, B.Com. (University of Cairo) ; A.M. (Econ.) (University of Chicago).....Cairo, Egypt
Dissertation: The United Arab Republic's Balance of Payments, Commercial Policy, and Economic Development, 1952-1962
Field of Specialization: Economics
- Phil Lee Morton, B.Sc. in Phys., M.Sc.....Stoughton, Wis.
Dissertation: Particle Dynamics in Linear Accelerators
Field of Specialization: Physics
- Gene Elden Murra, B.S., M.S. (South Dakota State College at Brookings)
 Worthing, S. Dak.
Dissertation: Improving the Quality and Marketing of Domestic Fleece Wool
Field of Specialization: Agricultural Economics and Rural Sociology
- Alexander Perumal, B.S. (Ag.) (University of Kerala) ; M.S. (Oklahoma State University).....Adur, Kerala, India
Dissertation: Some of the Physiological and Biochemical Effects of Copper on Apple Seedlings Grown in Solution Culture
Field of Specialization: Horticulture

- Willis Dean Poland, B.S., M.S. (Kansas State University) . . . Iowa City, Ia.
Dissertation: An Exploration of the Relationships between Self-estimated and Measured Personality Characteristics in the Open and Closed Mind
Field of Specialization: Psychology
- Gary Eugene Ricketts, B.Sc. in Agr., M.Sc. Willard
Dissertation: The Effect of Glucose, Iron, and Vitamin Supplements in Baby Lamb Nutrition
Field of Specialization: Animal Science
- Thomas John Rockett, B.S. (Tufts College) ; M.S. (Boston College)
 Medford, Mass.
Dissertation: Phase Relations in the Systems Silica, Boron Oxide-Silica, and Sodium Oxide-Boron Oxide-Silica
Field of Specialization: Mineralogy
- John Millar Rosenfeld, A.B., A.M. (Temple University) . . Upper Darby, Pa.
Dissertation: Some Perceptual and Cognitive Correlates of the High Need for Social Approval Personality
Field of Specialization: Psychology
- James Ware Scatterday, B.S. (Denison University) Westerville
Dissertation: Stratigraphy and Conodont Faunas of the Maxville Group (Middle and Upper Mississippian) of Ohio
Field of Specialization: Geology
- Allen Arthur Schmieder, B.S. in Ed. (Pennsylvania State Teachers College, Edinboro) ; M.A. Wesleyville, Pa.
Dissertation: The Historical Geography of the Erie Triangle
Field of Specialization: Geography
- James Conrad Schwarz, B.S. (Pennsylvania State University) ; M.A.
 Harrisburg, Pa.
Dissertation: Factors Influencing Expectancy Change during Delay in a Series of Trials on a Controlled Skill Task
Field of Specialization: Psychology
- Beulah Elizabeth Sellers, B.S.H.Ec. (Ohio University) ; M.A. Athens
Dissertation: Present Status and Perceptions of Home Economics in the Community College
Field of Specialization: Home Economics
- Kyle Cutler Sessions, B.A., M.A. Columbus
Dissertation: Luther's Hymns in the Spread of the Reformation
Field of Specialization: History
- Maurice Earl Shelby, Jr., B.A. (University of Washington)
 Knoxville, Tenn.
Dissertation: The Impact of Discovery, A Network Television Program for Children, on a Child Audience, Ages Seven to Twelve
Field of Specialization: Speech
- John Wesley Shrum, B.S. (Pennsylvania State University) ; M.Ed.
 (Bowling Green State University) Columbus
Dissertation: A Proposed Curriculum for the Preparation of Earth-Science Teachers
Field of Specialization: Education
- Anthony Arthur Sinkula, B.S. (University of Wisconsin) ; M.Sc.
 Armstrong Creek, Wis.
Dissertation: I. Synthesis of a Series of 2,2-Cycloalkyl Benzothiazolines
 II. A Preliminary Investigation of Some Synthetic Routes Leading to the Formation of Phenolic Aryl-propanolamines
Field of Specialization: Pharmacy

- Neil Owen Sneyd, B.Sc. in Agr., M.Sc. Stryker
Dissertation: Agricultural Offerings in Community Colleges in the United States
Field of Specialization: Agricultural Education
- Heinz Sorer, A.B. (Western Reserve University); B.Sc. in Phar., M.Sc. South Euclid
Dissertation: Pharmacological Properties of Schiff Bases of n-Hexylamine and Amphetamine
Field of Specialization: Pharmacology
- James Jay Stack, B.S. (Northwestern University); M.A. (Ohio University) Berwyn, Ill.
Dissertation: Individual Differences in the Reduction of Cognitive Dissonance: An Exploratory Study
Field of Specialization: Psychology
- Reinhardt Peter Stein, B.S. (Rensselaer Polytechnic Institute) Middletown, N. Y.
Dissertation: Part I. The Stereochemistry of Andrographolide
Part II. Carbonyl Addition Reactions of Benzocyclobutenedione
Field of Specialization: Chemistry
- Richard Ray Stevic, B.A. (College of Wooster); M.A. Marshallville
Dissertation: The School Counselor's Role: Commitment and Marginality
Field of Specialization: Education
- Eugene Darrah Thomas, B.Sc., M.Sc. St. Clairsville
Dissertation: The Photo-oxidation of Oxygen-saturated Water Slurries of Cadmium Sulfide
Field of Specialization: Chemistry
- Ronald Leslie Thomas, B.Sc. in Ag., M.Sc. (University of Alberta) Edmonton, Alta., Canada
Dissertation: Fractionation and Characterization of the Polysaccharides Extracted from the Brookston Soil
Field of Specialization: Agronomy
- Major Curt Thompson, B.S. (Birmingham Southern College); M.Sc. Birmingham, Ala.
Dissertation: Reactions of Coordinated Ligands. Utilization of the Coordination Sphere of a Metal Ion as a Template for the In Situ Synthesis of Macrocyclic Ligands
Field of Specialization: Chemistry
- Robert Bruce Tompkin, B.S. (Ohio University); M.Sc. Cuyahoga Falls
Dissertation: The Establishment of the Rumen Protozoan, Entodinium, In Vitro
Field of Specialization: Microbiology
- Janet Posey Toy, A.B., M.S. (West Virginia University) Springfield
Dissertation: Metabolic Pathways in Acid Production by Yeast Hansenula anomala
Field of Specialization: Botany and Plant Pathology
- Frederick Barnes Tubbs, B.S. (College of William and Mary); M.Ed. (University of Florida) Oneonta, N. Y.
Dissertation: Some Characteristics of Highly Effective and Less Effective Secondary-School Science Teachers
Field of Specialization: Education
- Verne Alvin Vandemark, B.S., M.S., M.A. (Michigan State University) Columbus
Dissertation: Automatic Merchandising of Grocery Products for Off-Premise Consumption
Field of Specialization: Agricultural Economics and Rural Sociology

- Glen Junior Vollmar, B.Sc. in Agr., M.Sc. Arlington, Va.
Dissertation: An Investigation of the Economic Use of Farm Equipment, Northwestern Ohio Cash Grain Farms
Field of Specialization: Agricultural Economics and Rural Sociology
- Forest Baird Ward, A.B., M.A. (Occidental College) Downey, Calif.
Dissertation: The Achievement Motive and Incentive Value for High and Low Levels of Achievement Success
Field of Specialization: Psychology
- Robert Eugene Winchell, Jr., B.S. (Stanford University) ; M.S. (Michigan College of Mining and Technology) Yerington, Nev.
Dissertation: X-ray Study and Synthesis of Some Copper-Lead Oxichlorides
Field of Specialization: Mineralogy
- Frances June Zeman, B.S., M.S. (Western Reserve University) .. Northfield
Dissertation: Influence of Ascorbic Acid and of Thiamine on Physiological Responses of Guinea Pigs to High Ambient Temperature
Field of Specialization: Home Economics
 (Eighty-nine candidates)

Master of Arts

- Patricia Vincenta Alisau, B.A. (Kent State University) Youngstown
Field of Specialization: Psychology
- Nahil Hanna Anastas, B.A. (Beirut College for Women) . Bethlehem, Jordan
Field of Specialization: Education
- Harold Parker Ashenfelter, B.S. in Ed. (Wittenberg University) New Carlisle
Field of Specialization: Music
- Robert Squire Barstow, B.M. (Fort Hays Kansas State College) . Rush, Colo.
Field of Specialization: Music
- Clifford Roger Birtcher, B.Sc. in Edu. Columbus
Field of Specialization: Education
- Thomas Edwin Boling, B.A. (Mississippi College) ; B.D. (Southern Baptist Theological Seminary) Reynoldsburg
Field of Specialization: Sociology
- Richard Borrer, B.Sc. in Edu. Columbus
Field of Specialization: History
- Deanna Holcomb Bowman, B.Sc. in Edu. Hilliard
Field of Specialization: Physical Education
- Nancy Cramer Boyd, B.S. in Edu. (Bowling Green State University) Columbus
Field of Specialization: English
- Frank Joseph Brancely, Jr., B.A. (Fenn College) Euclid
Field of Specialization: Sociology
- James Edward Eugene Brooks, B.A., B.Sc. in Bus. Adm. Columbus
Field of Specialization: Romance Languages (French)
- Sally Farran Bulford, B.A. Willoughby
Field of Specialization: English
- Gerald Patrick Chubb, B.Sc. Columbus
Field of Specialization: Psychology
- George Yarrington Coats, B.Sc. in Edu. Columbus
Field of Specialization: History

- Lynne Alison Conway, B.S. in Edu. (Ashland College) Ashland
Field of Specialization: Education
- Richard Joseph D'Aiuto, B.F.A. Cleveland
Field of Specialization: Art
- Carolyn Muriel Davies, B.A. (Marshall University) Huntington, W. Va.
Field of Specialization: Psychology
- Owen Lowe Duncan, Jr., B.A. (Marshall University) Huntington, W. Va.
Field of Specialization: History
- Jack Williams Fricke, B.S. in Ed. (Indiana University) Springfield
Field of Specialization: History
- William Wayne Giffin, B.A. (College of Wooster) ; B.Sc. in Edu. Shadyside
Field of Specialization: History
- Kathleen Marie Gnifkowski, B.A. (College of Saint Benedict) St. Cloud, Minn.
Field of Specialization: Speech
- Virginia English Gower, B.Sc. in H.E. Dayton
Field of Specialization: Psychology
- Young Ki Hahn, B.A. (Muskingum College) Seoul, Korea
Field of Specialization: Economics
- Jerry William Hanes, B.Sc. in Edu. Columbus
Field of Specialization: Music
- John Horace Harrison, B.Sc. in Edu. Columbus
Field of Specialization: Education
- William David Hills, B.S. in Ed. (University of Tennessee) Troy, Tenn.
Field of Specialization: Education
- Lawrence Darrel Hiner, B.Mus. (Ashland College) Ashland
Field of Specialization: Speech
- Gertrude Ann Huisman, A.B. (Calvin College) Grand Rapids, Mich.
Field of Specialization: Music
- Robert Suddards Joyce, B.A. (University of Maine) Portland, Me.
Field of Specialization: Speech
- *Sharon Lee Kabelac Cleveland
Field of Specialization: English
- George A. Kalligeros, B.A., B.S. in Ed. (Bowling Green State University) Newark
Field of Specialization: Education
- Robert Allen Keenan, A.B. (Allegheny College) Marion
Field of Specialization: Speech
- David Hale Kibler, A.B. (University of Michigan) Mansfield
Field of Specialization: History
- George Carl Kosbab, B.Sc. in Edu. Sandusky
Field of Specialization: Education
- Larry Lester Kramer, B.A. Newark
Field of Specialization: English
- Kanwal Kumar, B.A. (Panjab University) Hissar, Punjab, India
Field of Specialization: Economics

* Two degrees

- David Mason LePan, A.B. (Denison University)Cleveland
Field of Specialization: History
- James Robert Luikart, B.Sc. in Edu.....Newark
Field of Specialization: Education
- John Stewart MacInnis, B.A. (Kenyon College)Oklahoma City, Okla.
Field of Specialization: Economics
- Robert Jack Malone, B.S. in Ed. (Muskingum College)Columbus
Field of Specialization: Education
- Thomas Joseph McCormick, B.A., B.Sc. in Edu.....Columbus
Field of Specialization: Education
- Robert Paul Miller, A.B. (Glenville State College, West Virginia) ...Galion
Field of Specialization: Education
- Wesley Carrol Miller, B.S. (Central Michigan University)Columbus
Field of Specialization: Education
- Allan Reed Millett, B.A. (DePauw University)Oxford
Field of Specialization: History
- Edwin Lewis Morse, A.B. (Wittenberg University) ..Wildwood Crest, N. J.
Field of Specialization: Psychology
- Myron Jay Mumaw, B.Sc. in Edu.....Dalton
Field of Specialization: Education
- William Grandon Myers, B.S. (College of William and Mary)Columbus
Field of Specialization: Education
- Marilyn Boyd Neidig, B.S. in Ed. (Wittenberg University)Marion
Field of Specialization: Education
- Mary Juliette Noone, B.Sc. in Edu.....Columbus
Field of Specialization: History
- Silvano W. Onyango Ogessa, B.A. (DePauw University)Nairobi, Kenya
Field of Specialization: Geography
- Gerald Eugene Patterson, B.S. in Ed. (Miami University)Lodi
Field of Specialization: Education
- Sonia Phipps, B.Sc. in Edu.....Oberlin
Field of Specialization: Speech
- Samuel Frank Pisano, A.B. (San Jose State College)Sunnyvale, Calif.
Field of Specialization: Psychology
- John William Pryer, B.Sc. in Edu.....Gomer
Field of Specialization: Music
- Zuhni Rafat Qebewey, B.Sc. (Cairo University)Amman, Jordan
Field of Specialization: Education
- Patricia Cook Rice, B.A.....Rochester, N. Y.
Field of Specialization: Sociology (Anthropology)
- Stanford Dean Ruggles, A.B. (Findlay College)Marion
Field of Specialization: Education
- Philroy Samuel Sigler, B.A. (Youngstown University)New Castle, Pa.
Field of Specialization: History
- David Lionel Smith, A.B. (Denison University)Akron
Field of Specialization: Economics
- Judith Jean Smith, B.A. (Milwaukee-Downer College)Phoenix, Ariz.
Field of Specialization: Art

Florence Byrd Stevenson, B.A. (University of Arkansas) . . . Little Rock, Ark.
Field of Specialization: Education

Jean Felix Taylor, B.F.A. Columbus
Field of Specialization: Art

Allen William Valcov, B.A. Columbus
Field of Specialization: Psychology

William Lee Van Wormer, B.S. in Ed., B.A.A. (University of Cincinnati)
 Columbus
Field of Specialization: Education

Margaret Vida, B.S.Ed. (Ohio University) Lorain
Field of Specialization: Home Economics (Education)

Linda Kay Wagenhals, B.A. Canton
Field of Specialization: Sociology

Theodore Norman Wattron, B.A. (Anderson College, Indiana) Marietta
Field of Specialization: Political Science

Allan Brooke Wetzel, B.S. (University of Kentucky) Columbus
Field of Specialization: Psychology

Jane Ann Craig Wilson, B.A. (College of Wooster) Columbus
Field of Specialization: Physical Education

John Myron Wilson, A.B. (Capital University) Columbus
Field of Specialization: History
 (Seventy candidates)

Master of Business Administration

David McKay Bell, B.Sc. in Bus. Adm. Columbus
Field of Specialization: Business Organization

Frank Williamson Denzel, B.I.E. (General Motors Institute) Columbus
Field of Specialization: Business Organization

Burhan Cahit Dogangun. Columbus
Field of Specialization: Business Organization

Gerald Howard Dombcik, B.Sc. in Bus. Adm. Cleveland Heights
Field of Specialization: Business Organization

David G. Dowds, B.Sc. in Bus. Adm. Urbana
Field of Specialization: Business Organization

Weldon Eugene Ihrig, B.E.E. Bryan
Field of Specialization: Business Organization

Laurence Wile Jacobs, B.S. (University of Pennsylvania) Columbus
Field of Specialization: Business Organization

John Theodore Lieser, Jr., A.B. (Denison University) Shaker Heights
Field of Specialization: Business Organization

Howard Kenneth Pedigo, B.S. (Rose Polytechnic Institute) Kettering
Field of Specialization: Business Organization

B. Linn Soule, B.S.E. (E.E.) (University of Michigan) Dayton
Field of Specialization: Business Organization

Paul Ronald Stephenson, B.S. in Bus. (Indiana University)
 Leavenworth, Ind.
Field of Specialization: Business Organization

William Arthur Wentz, B.I.E. Canton
Field of Specialization: Business Organization
 (Twelve candidates)

Master of City Planning

Leerie Ross Summers, B.S., M.A. (Kent State University) . . . Worthington
Field of Specialization: Architecture (City Planning)
(One candidate)

Master of Education

Sara Nancy Neu Ferbrache, B.S. in Edu. (Miami University) . . Georgetown
Field of Specialization: Education

Robert Anderson Youtz, A.B. (Oberlin College) Columbus
Field of Specialization: Education
(Two candidates)

Master of Science

Judith Ann Bancroft, B.S. in N. (University of Pittsburgh) Sylvania
Field of Specialization: Nursing

Ronald Dale Baxter, B.E.E. Worthington
Field of Specialization: Electrical Engineering

Gereld Stokes Benner, B.S. in Chem. (University of North Carolina)
Columbus, N. C.
Field of Specialization: Chemistry

Amar Nath Bhattacharya, B.V.Sc. (Bengal Veterinary College)
Calcutta, India
Field of Specialization: Pharmacology

Nancy Thornton Bird, B.S. in Ed. (West Virginia State College, Institute)
St. Albans, W. Va.
Field of Specialization: Zoology

John David Birle, B.Ch.E. Columbus
Field of Specialization: Chemical Engineering

John William Bloemer, B.S.M.E. (Purdue University) . . Indianapolis, Ind.
Field of Specialization: Mechanical Engineering

James Willard Bradley, B.W.E. Marysville
Field of Specialization: Welding Engineering

Patrick Francis Brady, B.E. (National University of Ireland)
Navan, County Meath, Ireland
Field of Specialization: Civil Engineering

Bruce Allan Butcher, B.Sc. Columbus
Field of Specialization: Physiological Chemistry

John Thomas Cammett III, B.Met.E. Mason
Field of Specialization: Metallurgical Engineering

James Thomas Campbell, B.A. (Ohio Wesleyan University) Dayton
Field of Specialization: Electrical Engineering

Keith Ross Carver, B.S. in E.E. (University of Kentucky) . . Russellville, Ky.
Field of Specialization: Electrical Engineering

Philippe Lucien Pascal Charpentier Calvados, St. Samveur, France
Field of Specialization: Metallurgical Engineering

- David Alan Chatfield, Met.Engr. (University of Cincinnati) Lancaster
Field of Specialization: Metallurgical Engineering
- Mary Elizabeth Cipriano, B.Sc. in Nurs. Ravenna
Field of Specialization: Nursing
- Kenneth Irving Clayton, B.S. in C.E. (Drexel Institute of Technology)
 Columbus
Field of Specialization: Engineering Mechanics
- Karl Vernon Clemons, Jr., B.Sc. in Agr. Bryan
Field of Specialization: Agricultural Economics and Rural Sociology
- Mary Newlin Cline, B.Sc. in Nurs. St. Clairsville
Field of Specialization: Nursing
- Robert Glen Clodfelter, B.M.E. (University of Dayton) Dayton
Field of Specialization: Mechanical Engineering
- John Charles Corbin, Jr., B.E.E. (Cornell University) Dayton
Field of Specialization: Electrical Engineering
- John Edward Craine, B.Sc. in Agr. Xenia
Field of Specialization: Agricultural Education
- Suzanne Donohoe Croci, B.Sc. in Nurs. Zanesville
Field of Specialization: Nursing
- Nalinkant Chunilal Damani, B.Sc. (Hons.) (University of Bombay);
 B.Pharm. (Gujarat University) Bombay, India
Field of Specialization: Pharmacy
- William Donald Davies, B.S.A. (Purdue University) Cincinnati
Field of Specialization: Zoology
- Robert Elden Davis, B.S. in M.E. (Ohio Northern University) . . . Columbus
Field of Specialization: Engineering Mechanics
- Warren Lee Davis, B.S. (Pennsylvania State University) . . . Eatontown, N. J.
Field of Specialization: Physics
- William Howard Decker, B.S. (Heidelberg College) Barberton
Field of Specialization: Chemistry
- Benjamin Anthony DeGraff, Jr., B.A. (Ohio Wesleyan University)
 Cuyahoga Falls
Field of Specialization: Chemistry
- David William Denning, B.C.E. Columbus
Field of Specialization: Civil Engineering
- Thomas Edgar Dum, B.Sc. in Agr. Columbus
Field of Specialization: Agricultural Economics and Rural Sociology
- Duane Maximilian Duman, B.A. (Saint Vincent College, Pennsylvania)
 Latrobe, Pa.
Field of Specialization: Physics
- John Jude English, B.S. in E.E. (Christian Brothers College, Tennessee)
 Berwyn, Ill.
Field of Specialization: Electrical Engineering
- Robert Edward Eppich, B.Met.E. Cleveland Heights
Field of Specialization: Metallurgical Engineering
- David Joseph Gill, B.S. (Case Institute of Technology) Cuyahoga Falls
Field of Specialization: Mathematics
- Bruce Clair Graber, B.A.A.E. Leavittsburg
Field of Specialization: Aeronautical and Astronautical Engineering

- Claire Lauffer Grabovez, B.S. in Nurs. (Capital University) . . . Newton Falls
Field of Specialization: Nursing
- Judith Bartlett Graves, B.Sc. in Nurs. Mt. Vernon
Field of Specialization: Nursing
- Myers Giffen Hammond, B.Ch.E. Jacobsburg
Field of Specialization: Chemical Engineering
- Cristy Ramos Hernandez, B.Sc. (University of the Philippines)
 Pasay, Philippines
Field of Specialization: Geodetic Science
- *Del William Heuser Mentor
Field of Specialization: Industrial Engineering
- Jaime Hidalgo-Ebel Santiago, Chile
Field of Specialization: Dairy Technology
- Carol Robinson Hopkins, B.A. (Ohio Wesleyan University) Columbus
Field of Specialization: Mathematics
- Lucy Tracy Hosterman, B.A. (Lake Erie College) Columbus
Field of Specialization: Home Economics
- William Richard Huber III, B.S. in E.E. (University of Pittsburgh)
 Johnstown, Pa.
Field of Specialization: Electrical Engineering
- Margaret Summers Keeler, B.Sc. in Nurs. Cleveland
Field of Specialization: Nursing
- Donald Eugene Kimmet, B.Sc. in Agr. Bluffton
Field of Specialization: Agricultural Economics and Rural Sociology
- Stanley Bernard King, B.A. (Goshen College) Goshen, Ind.
Field of Specialization: Botany and Plant Pathology
- Harold Jacob Knecht, B.E.E. (University of Detroit) Williamsport
Field of Specialization: Electrical Engineering
- Tatsuo Kondo Tokai, Ibaraki, Japan
Field of Specialization: Metallurgical Engineering
- Walter Kruppa, B.S. in E.E. (University of Akron) Akron
Field of Specialization: Electrical Engineering
- Richard Edward Lawrie, B.E.E. (University of Dayton) Columbus
Field of Specialization: Electrical Engineering
- Andrew Paul Lechler, B.S. in Ed. (Otterbein College) Cincinnati
Field of Specialization: Mathematics
- Arthur Solomon Mangaroo, B.S. (Agricultural and Technical College
 of North Carolina) St. Catherine, Jamaica, W. I.
Field of Specialization: Agronomy
- Jerry Marvin Mann, B.S. (Ohio University) Portsmouth
Field of Specialization: Microbiology
- Saburo Matsumoto, B.Sc. (Keio University) Kawasaki, Japan
Field of Specialization: Chemistry
- Judith Ellen Mehrling, B.Sc. in Med.Tech. Columbus
Field of Specialization: Pathology
- Ajitkumar Virchand Mehta, B.Chem.E. (University of Bombay)
 Bombay, India
Field of Specialization: Chemical Engineering

* Two degrees

- Joseph A. Mekush, B.S.C.E. (Ohio Northern University) Sycamore
Field of Specialization: Civil Engineering
- Joseph John Mendel, B.S.F. (University of Michigan) Columbus
Field of Specialization: Agricultural Economics and Rural Sociology
- Stanley Asher Metelko, B.Ch.E. Newark
Field of Specialization: Chemical Engineering
- Siegfried Mikuteit, B.Sc. in Phys. Columbus
Field of Specialization: Electrical Engineering
- Michael Murray Mitchell, B.Sc. Fresno, Calif.
Field of Specialization: Geodetic Science
- Gerald Prescott Morie, B.S. (Central Missouri State College)
 Wellsville, Mo.
Field of Specialization: Chemistry
- Edmond Oliver Moulin, B.S. (University of Connecticut) . . . Dayville, Conn.
Field of Specialization: Horticulture
- John Stephen Munzinger, A.B. (Gettysburg College) Lansdale, Pa.
Field of Specialization: Zoology
- Zoltan Nemeth, Ing. Civil (Technical University of Budapest, Hungary)
 Columbus
Field of Specialization: Civil Engineering
- Dale Edward Niesz, B. Cer. E. East Sparta
Field of Specialization: Ceramic Engineering
- Nancy Nolan, B.Sc. in Nurs. Athens
Field of Specialization: Nursing
- Arthur Harold Norberg, B.S.Ed. (Ohio Northern University) Lowellville
Field of Specialization: Zoology
- Enoch Ifeanyi Nwizu, B.Sc. (University of London, England)
 Aba, Nigeria
Field of Specialization: Mechanical Engineering
- Alma Joanne Porter, B.Sc. in Nurs. Gallipolis
Field of Specialization: Nursing
- Mary Martha Rader, B.Sc. in Nurs. Franklin Furnace
Field of Specialization: Nursing
- Dindial Vernon Ramsamooj, B.Sc. (Engr.) University of London,
 England) Georgetown, Br. Guiana
Field of Specialization: Civil Engineering
- Juris George Raudseps, B.S.E. (Princeton University) Columbus
Field of Specialization: Electrical Engineering
- Joseph Oldknow Reebel, A.B. (Miami University) Lakewood
Field of Specialization: Mathematics
- Audree Whitford Reynolds, B.Sc. in Nurs. Sandusky
Field of Specialization: Nursing
- Gilbert McCoord Rodgers, B.E.E. (Union College, New York)
 Pittsford, N. Y.
Field of Specialization: Electrical Engineering

- Ajit Kumar Saini.....Hoshiarpur, Punjab, India
Field of Specialization: Electrical Engineering
- Carl Joseph Scharfenberg, B.Sc. in Agr.....Bedford
Field of Specialization: Horticulture
- Robert Conrad Schwyn, B.Sc.....Toledo
Field of Specialization: Anatomy
- Everett Lee Shaffstall, B.E.E.....Marion
Field of Specialization: Electrical Engineering
- Ervin Edson Shannon, B.S. in B.A. (Kansas State University of
 Agriculture and Applied Science); B.E.E.....Columbus
Field of Specialization: Electrical Engineering
- John Edward Shirey, B.S. (Saint Vincent College).....Greensburg, Pa.
Field of Specialization: Chemistry
- Wilbur Howard Sidner, B.Ch.E.....Genoa
Field of Specialization: Chemical Engineering
- Larry Dean Siebert, B.E.E.....Celina
Field of Specialization: Electrical Engineering
- Wilbur Cameron Simmons, B.S. (Clemson Agricultural College)....Dayton
Field of Specialization: Ceramic Engineering
- Baidya Nath Sinha.....Patna, Bihar, India
Field of Specialization: Veterinary Parasitology
- Ralph Slusher, D.V.M.....Columbus
Field of Specialization: Veterinary Surgery (Radiology)
- David William Smith, B.Cer.E.....Galion
Field of Specialization: Ceramic Engineering
- Jack Sherman Stanton, D.V.M. (Agricultural and Mechanical College of
 Texas).....Ozona, Tex.
Field of Specialization: Veterinary Medicine
- David Eugene Stilwill, B.A.....Canton
Field of Specialization: Microbiology
- Bruce Gilbert Strickland, B.Ch.E.....Columbus
Field of Specialization: Chemical Engineering
- Ellis Daniel Verink, Jr., B.S. in Met. E. (Purdue University)....Columbus
Field of Specialization: Metallurgical Engineering
- Barbara Ann Warchol, B.Sc. in H.E.....Toledo
Field of Specialization: Home Economics
- Lynn Taylor Wells, B.S. in Mech. Eng'g. (University of Utah)
 Salt Lake City, Utah
Field of Specialization: Engineering Mechanics
- Raymond Eugene Whitacre, B.E.E.....Winona
Field of Specialization: Electrical Engineering
- Dwight Stanley Whittemore, B.Cer.E.....Natick, Mass.
Field of Specialization: Ceramic Engineering
- Douglas Alden Wille, B.S. (City College of New York).....Dayton
Field of Specialization: Physics

(Ninety-nine candidates)

Master of Social Work

- Robert Arthur Rundle, B.S. (Purdue University).....Cincinnati
Field of Specialization: Social Work
 (One candidate)

CANDIDATES FOR TWO DEGREES

Alvin Richard Bell.....Arlington
Bachelor of Arts
Bachelor of Science in Education

Joan Rosalind Cohen.....Rochester, N. Y.
Bachelor of Arts
Bachelor of Science in Education

Del William Heuser.....Mentor
Master of Science
Bachelor of Industrial Engineering

Sharon Lee Kabelac.....Cleveland
Master of Arts
Bachelor of Arts (summa cum laude)

Charles Edward Walker.....Columbus
Bachelor of Science in Education
Bachelor of Music

(Five candidates)

COLLEGE OF AGRICULTURE AND HOME ECONOMICS

Dean: ROY M. KOTTMAN

Bachelor of Science in Agricultural Biochemistry

David Harry Maxfield.....Loveland
(One candidate)

Bachelor of Science in Agriculture

Charles William Adams, Jr.....Columbus
Lawrence Gustav Anderson, Jr.....Jefferson
Robert Dale Baughman.....Carroll
Bruce Daniel Beard.....Mt. Gilead
Jerry Willard Berg.....Dalton
Gary Lee Bowser.....Clyde
Thomas Dean Brant.....Columbus
Roland Arthur Brockway.....Perry
Richard Arlen Browning.....New Concord
Thomas Lynn Cady.....Cuyahoga Falls
Dale Clodfelter.....Columbus
Phillip Stanley Clouse.....Columbus
Sara Patch Cooley.....Cleveland
Jerome William Donovan, Jr.....Delaware
Gayle Kent Grimes.....Greenville
James Hamilton Grooms.....Galion
Larry Eugene Hale.....Mansfield
Charles Roger Hamrick.....Columbus
Walter Edward Henry.....Zanesfield
James Edward Jefferis.....Lakewood
Raymond Felix Jezerinac.....Columbus
Oscar William Jutte.....Fort Recovery
George Thomas Kaiser.....Columbus
David Albert Koch.....Rockford
Neal Val Leimbach.....Berlin Heights
Hans Leon Markland.....Ludlow Falls
Donald Orin McAllister.....Carrollton
James Stewart McCoy.....Wooster
Robert Eugene McNall.....Kenton
Irving Lee McPhail.....Gambier
George David Myers.....Grove City
Bernard Ray Nirode.....Wooster
James Leonard Osborn.....Hillsdale, N. Y.
James Walter Patterson.....Bainbridge
Gary Benjamin Price.....Bowerston
Donald Charles Reicosky.....East Sparta
John Griffin Roberts.....Hilliard
Robert Dale Rufenacht.....Archbold
George Edward Ruff.....Columbus
Richard Lee Shew.....Massillon
Gary Alvin Swigart.....Covington
Donald Keith Taylor.....Xenia
Ward Murrey Teters.....Cambridge
Richard Thomas Thompson.....Wilmington
Gerald Roger Tussing.....Reynoldsburg

Ralph Allen Vanzant.....	Bainbridge
David John Wengert.....	Walbridge
John Potee Whitney.....	West Mansfield
Clement Orville Wright.....	Baltimore

(Forty-nine candidates)

Bachelor of Science in Food Technology

Kenneth Eugene Davis.....	Xenia
Frank Theodore Orthoefer.....	Gahanna

(Two candidates)

SCHOOL OF HOME ECONOMICS

Bachelor of Science in Home Economics

Nancy Allen.....	Dayton
Catharine Wheaton Atkinson.....	Cincinnati
Rosemary Barnhart.....	New Carlisle
Suzanne Bratton.....	Delta
Mary Geraldine Brauner.....	Columbus
Carolyn Elizabeth Burwell.....	Columbus
Vicki Nelle Champagne.....	Columbus
Sonia Sue Cook.....	Clyde
Janet Lee Daily.....	Columbus
Helen Mandt Dennis.....	Columbus
Jane Weingartner Flannery.....	New Castle, Pa.
Patricia Ann Gallant.....	Ironton
Bonnie Suzanne Green.....	Miami Shores, Fla.
Kathryn Frances Grimshaw.....	Worthington
Judith Lee Hill.....	Kingston
Joanna Hunsinger Kister (cum laude).....	Williamsport
Janet Louise Knoop.....	Fletcher
Mary Ann Farley Lindberg.....	Peoria, Ill.
Patricia Hockenberry Nelson.....	New Kensington, Pa.
Patricia Snyder Nicolette.....	Columbus
Carol Doris Niesz.....	East Sparta
Patricia Reichley Olson.....	St. Clairsville
Carole Lee Puestow (cum laude).....	Oak Harbor
Jane Louise Robinson.....	Sidney
Luanna Rockwell.....	Barnesville
Beverly Kihlken Ruff.....	Port Clinton
Sandra Lorna Scott.....	Columbus
Carole Baxter Tisdale.....	Lorain
Alice Mae Tommas.....	Bellevue
Laura Louise Vetter.....	Custar
Anne Cecelia Young.....	Toledo

(Thirty-one candidates)

Bachelor of Science in Restaurant Management

Fred John Heigel.....	Rochester, N. Y.
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(One candidate)

COLLEGE OF ARTS AND SCIENCES

Dean: J. OSBORN FULLER

Bachelor of Arts

James Harold Allison.....	Columbus
John Paul Anders.....	Toledo
Janet Kay Baker.....	Newark
Linda Lou Barnes.....	Springfield
Linda Louise Barnett.....	Cleveland
*Alvin Richard Bell.....	Arlington
Jeffrey Byron Bender.....	Columbus
Nellie Louise Bertsch.....	Akron
John Wayne Boyce.....	Shelby
Thomas Allen Brennan.....	Bay Village
Dolores Kalenchitz Bumcrot.....	Columbus
Judith Rataiczak Carson.....	Bryan
Brian Dennis Cinco.....	Euclid
Thomas Grant Clayton.....	Maplewood
Ellen Mary Clifford.....	Columbus
*Joan Rosalind Cohen.....	Rochester, N. Y.
John Clarke Cuddy.....	Columbus
Millicent Davis.....	Jackson
Sidney Ellsworth Dowd, Jr.....	Canton
Nancy Ellen Drake (summa cum laude).....	Columbus
Susan Ann Eshelman.....	Newark
Eden S. Feldstien.....	Toledo
David Edward Foster.....	Worthington
Lynda Friedlander.....	Purcellville, Va.
Barbara Lynn Gearhart.....	Danville, Ky.
Stuart Andrew Gillett.....	Forest
Dale Horton Gleason.....	Columbus
Walter Lear Gordon III.....	Los Angeles, Calif.
Joan Anton Gounaris.....	Dayton
Jerry Wayne Hamill.....	Columbus
Isabelle Maye Harner.....	New Vienna
Karl Kirke Harper.....	Bremen
Judith Kay Hazen.....	Mansfield
David Ellsworth Highman, Jr.....	Woodsfield
Robert Lewis Hillis.....	Columbus
Robert Alan Jenkins.....	Columbus
Suellen Johnson.....	Logan
*Sharon Lee Kabelac (summa cum laude).....	Cleveland
Erlin Sue Kellerman.....	Cincinnati
Alexander Stephen Kocsis.....	Columbus
Stephen Augustine Kroflich.....	Bridgeport
Robert Jay Liff.....	Dayton
Paul Nathan Mathless.....	Columbus
Arlene Lillian Mazzei.....	Cleveland
Mary Susan McClelland.....	Columbus
Ronald Foster Meier.....	Columbus
Adrienne Beth Meldon.....	Shaker Heights
Douglas Dale Mincks.....	Wapakoneta
Terrence Michael Murphy.....	Rocky River
Barbara Lynne Nelson.....	Avon Lake
Ronald Drake Osborne.....	Columbus

* Two degrees

Judith Hale Perkowski.....	Dayton
Frederick Henry Posey.....	Columbus
Marshall Pura.....	Jersey City, N. J.
Jean Converse Rapp.....	Leetonia
Ronald Lee Redmon.....	Columbus
Donald Herbert Reese.....	Worthington
Larry Eugene Reinhart.....	Columbus
Gerald Bangham Ross.....	Columbus
Terry Lee Ross.....	Antwerp
Thomas Tod Ross.....	Alexandria
Nancy Catherine Rossman.....	Franklin
Laurence Stephan Scafuro, B.Sc. in Edu.....	Ashtabula
Lucy Tandy Seall.....	Wilberforce
Bonnie Karin Shields.....	Youngstown
Cynthia Hope Shoemaker.....	Cleveland
Emily Irene Sitterley.....	Columbus
Edward Bingham Smith.....	Berea
Lila Kay Smith, B.Sc. in Edu.....	Knox, Ind.
Harold Norman Snow, Jr.....	Newark
Lloyd Daniel Stanford.....	Canton
John Floyd Steele.....	Chagrin Falls
Victoria Gillespie Stevens.....	Dublin
Allen Jerome Swaim, LL.B. (Ohio Northern University).....	Columbus
Edward Ronald Taylor.....	Cleveland
Diane Elaine Tefft.....	Columbus
Bruce Alan Thomas.....	Middletown
James Ernest Thompson, Jr.....	Columbus
Elaine Marie Tonti.....	Columbus
Lewis Mallory Webb III.....	Cincinnati
Clifford Eric Zehner.....	Bellevue
Robert Curtis Zschoche.....	Columbus

(Eighty-two candidates)

Bachelor of Science

Glenn Richard Baker.....	Columbus
Benjamin Cowen Barlow.....	St. Clairsville
Robert Stephen Bausch.....	Ross
Richard Eugene Beck, B.Sc. in Opt.....	Columbus
Gary Ned Bokerman.....	Wauseon
Thomas Edward Braidech.....	Shaker Heights
Charles Henry Claibourne.....	Wilmington
Melvin Conley, Jr.....	Zanesville
Patricia Eileen Danford.....	Bellaire
James Richard Davis, Jr., B.S. in Agric. (Rutgers University)	White Plains, N. Y.
Dennis Brian Fitzpatrick.....	Columbus
Ann Adkins Gunderson (cum laude).....	Plain City
Peter John Hillmann, Jr.....	Lakeland, Fla.
Thomas Emrys James, Jr.....	Vienna
Mark Phillip Kossoff.....	Columbus
Edward Julian Krakiwsky.....	Calgary, Alta., Canada
Hobert Lee Pence.....	Dayton
Alan Leroy Pettit.....	Burr Oak, Kans.
Louis Robert Polster.....	Columbus
Jay Lloyd Press.....	West Collingswood, N. J.
David Ellis Radebaugh.....	Lima

Lawrence Austin Raymond, Jr.....Springfield
 Melvin Robert Roach.....Gambier
 Edward Leon Sharp.....Union City
 Vivian Lucht Sinnott.....Columbus
 Donald Duane Solter, Jr.....Wichita, Kans.
 Kenneth Dale Swonger.....Sidney
 Marlon Guy Thomas.....Andalusia, Ala.
 William Lindsey Thompson.....Dublin
 Kay Ward Todd (cum laude).....Cincinnati
 Charles Philip Wack.....Lisbon
 Simha Weissman.....Tel-Aviv, Israel
 Donald Richard Whalen.....Cleveland
 Margaret Catherine Wiss.....Columbus
 Hesham Kamal Yakteen.....Columbus

(Thirty-five candidates)

Bachelor of Science in Medical Technology

Jolee Ann Carlson.....Worthington

(One candidate)

SCHOOL OF JOURNALISM

Bachelor of Arts

John Hewitt Andrus II.....Camden, N. J.
 James Way Babcock.....Sidney
 Geraldine Ann Javor.....Lorain
 Edward Hammond Keys.....Columbus
 Rina Racov Marks.....Cleveland
 Jessie Wile Stern.....Columbus
 Barry Stanley Zwick.....University Heights

(Seven candidates)

SCHOOL OF OPTOMETRY

Bachelor of Science in Optometry

Robert Orville Burris.....Washington C. H.

(One candidate)

COLLEGE OF COMMERCE AND ADMINISTRATION

Dean: JAMES R. McCoy

Bachelor of Science in Business Administration

Robert Edward Anderson.....	Cleveland
Windsor Lynn Anderson.....	Vienna
Bruce Lee Archinal.....	Mineral City
Richard Stone Ayres (cum laude).....	Binghamton, N. Y.
Joann Louise Bahn.....	Columbus
Jack William Bernstein.....	Columbus
Robert Charles Betz.....	Columbus
John Joseph Big.....	South Amherst
Jerry Allen Boerger.....	Ft. Wayne, Ind.
William Harvey Borton.....	Wilmington
Donald Wilbur Branson.....	Zanesville
James Leonard Brissenden.....	Columbus
Jarrett Bruce Brofsky.....	North Miami Beach, Fla.
Barry Landis Brown.....	Clyde
Barry Gene Burge.....	Lorain
Frank Mitchell Byers.....	Bexley
Gene Edward Cirak.....	Columbus
Girard Anthony Coletta.....	Columbus
Dale Roger Coon.....	Lima
Richard Cecil Croll.....	Bowling Green
Roger Lewis Cross.....	Marion
David Lloyd Cutter.....	Auburn, Me.
John Day Ellis.....	Mt. Vernon
Robert Glenn Ferree.....	Massillon
Martin Alan Fishman.....	University Heights
Richard William Flock.....	Bucyrus
Joseph Bruce Ford.....	Benton, Ark.
Donald Lawrence Fox.....	Columbus
Richard Pedigo Fox.....	Loveland
David Ardven Gaston.....	Columbus
Alexander Martin Gear.....	Columbus
Michael David Glaser.....	University Heights
Jerrold Lee Goldstein.....	Shaker Heights
William Paul Gue.....	Columbus
Fred George Gunderson.....	Columbus
Jerome Barry Gurev.....	South Euclid
Thomas Evan Hammer.....	Columbus
William Taylor Hawkins.....	Columbus
Harvey Richard Hendler.....	Canton
Richard Downey Henley.....	Worthington
George Eugene Hurn II.....	Conneaut
Joseph Leonard Huth.....	Bolivar
Morton Lawrence Jeffery.....	Worthington
Virginia Ann Johnson.....	Racine
Gary Robert Kinsella.....	Sidney
James Albert Kisling.....	Columbus
Raymond C. Krstolic.....	Mentor
Lanny Edward Lamm.....	Chillicothe
James William Lanning.....	Logan
Michael Jay Leach.....	Columbus
Carl Alan Linscott.....	Columbus

John Philip Lowman.....	Worthington
Robert Harold Marhover.....	East Canton
John Clark May.....	Cincinnati
Roger Williams McDaniel.....	Richwood
Clyde Allen Miller.....	Columbus
Joe Merle Miller.....	Wooster
John Ruffner Montgomery.....	Columbus
Robert William Montgomery, Jr.....	Sandusky
Paul Andrew Nitschke.....	Columbus
John Loring Noble.....	Columbus
Ronald William Ochsenwald.....	Columbus
William James Ockington.....	Lakewood
Van Olnhausen.....	Cambridge
John Francis Probasco.....	Somerset
Terry Paul Pugh.....	Columbus
Jack Clifford Roberts.....	Strongsville
Don William Roche.....	Lakewood
Ernest Aloysius Rubadue.....	Columbus
James Phillip Scanlon.....	Columbus
David Lee Schiele.....	Zanesville
Joseph Louis Schott.....	Canton
Gerald Thomas Sexsmith.....	Cleveland
Tasso George Sicaras.....	Columbus
Michael Duard Smith.....	Eaton
Billy Gerald Spence.....	Hamilton
Jack Bryan Spitler.....	Wooster
Larry David Stone.....	Conneaut
David Michael Suter.....	Columbus
Walter Kurt Viertel.....	Canton
Fredrick John Vlaskamp.....	Dayton
James Elden Waugh.....	Lancaster
Robert Lee Weber.....	Columbus
Georgia Ann Welch.....	Shaker Heights
Charles Raymond Wilcox.....	Kenmore, N. Y.
John Joseph Workman.....	Columbus
Richard Russell Wright.....	Columbus
Robert Irvin Yeoman.....	New Holland
Ronald Sterling Young.....	Cleveland
Edward Lee Zink.....	Rocky River

(Ninety candidates)

Bachelor of Science in Social Welfare

Charlotte Ann Boyd.....	Columbus
Toye Lee Brown.....	Columbus
Judith Paulette Hammond.....	Columbus
Rosalyn Kirkel.....	Columbus
Merrilee Ann Meeker.....	Youngstown
Gene Monroe.....	Circleville
Bonnie Slagle Shaffstall.....	Marion

(Seven candidates)

COLLEGE OF DENTISTRY

Dean: WENDELL D. POSTLE

Doctor of Dental Surgery

Edward Henry Elsasser, B.Sc.....	Marion
John Frederick Leech, B.Sc.....	Columbus
Robert Clyde Tolle, B.S. (Mount Union College).....	Canton
Gary Irvin Underwood.....	Columbus

(Four candidates)

COLLEGE OF EDUCATION

Dean: DONALD P. COTTRELL

Bachelor of Science in Education

Sharon Judith Aharoni.....	Toledo
Linda Lee Anagnoston.....	Dayton
Donald Fagg Anderson.....	Sapulpa, Okla.
Armand Russell Aufdenberg.....	Cincinnati
Chester Gabriel Bandman, Jr., B.S. (University of Pittsburgh)...	Columbus
John Aden Barlow.....	Columbus
Janet Fay Beam.....	Fostoria
Sharon Preston Beck.....	Columbus
Carolyn Jean Beery.....	Columbus
*Alvin Richard Bell.....	Arlington
Diane Mary Beneville.....	Mountain Lakes, N. J.
Ruth Susan Berenberg.....	Shaker Heights
Betty Jo Blake.....	Sidney
Joyce Ann Brooks.....	Urbana
Susan Cheva Brooks.....	University Heights
Cynthia Davidson Calhoun.....	Homeworth
Patricia Ann Cassidy.....	Springfield
Robert Eugene Cawley.....	Springfield
Irene Dagys Celec.....	Middletown
Hale Wright Clark.....	Cincinnati
*Joan Rosalind Cohen.....	Rochester, N. Y.
Shirlee Rose Conley.....	Roanoke, Va.
Floyd Allen Culver.....	Upper Sandusky
Lynda Sue DeMuth.....	Hicksville
Donald Emanuel Deutsch.....	East Cleveland
Thomas Harry Dexter.....	Lakewood
Susan Porter Eaker.....	Columbus
Audrey Marie Ekey.....	Bloomington
Cornelia Marian Ernst.....	Piqua
Mary Louise Evans.....	Upper Sandusky
Myron Herman Eversman.....	Botkins
Rita Kathryn Farley.....	West Portsmouth
Bruce Allen Farquharson.....	Perrysburg
David Lynn Fenner.....	St. Johns, Mich.
Rita Phyllis Fidler.....	Cleveland Heights
Lois Carole Finkel.....	Wellington
Donna Rae Fleshman.....	New Richmond
Shirley Louise Fryer.....	Lakewood
Lawrence Francis Galm.....	Fairport Harbor
Judith Ann Gillette.....	Lima
John Michael Gilligan.....	Goshen
Robert Baker Glazier.....	Coshocton
Alice Barnes Goergen.....	Berea
Rachel Shapiro Gold, B.A.....	Columbus
Judith Diane Gooding.....	Columbus
Janet Fultz Guitry (cum laude).....	Columbus
Michael Rea Harris.....	Baltimore, Md.
Marilyn Lou Hartman.....	Wadsworth
Thomas Hazen Hauman, B.A.....	Toledo
Budd Gordon Hegele.....	Urbana

* Two degrees

Nancy Prutton Hegele.....	Bay Village
Carolyn Lacey Heine.....	Ashley
Ayleen Elizabeth Hilt.....	St. Louis, Mo.
Beverly Ann Hintz.....	Cleveland
Corita Hittson.....	Columbus
Lee Holland.....	West Jefferson
Richard Earl Holtz, Jr.....	Cleveland
Leona Phillips Housden.....	Columbus
Charlou Dambach Howald.....	Worthington
Robert Markham Howland.....	Ashtabula
Janice Stoltz Hummell.....	Columbus
Mary Emily Humphreys.....	Columbus
James Paul Hunt.....	Parma
Joseph Clarence Hunter.....	Fairborn
Flora Beans Jackson.....	New Philadelphia
Natalie Lehrner Jaffe.....	Cincinnati
Mary Jo Jarosi.....	Toledo
Nancy Lee Jensen.....	Warren, Pa.
Janet Kay Johns.....	St. Marys
Roger Lee Johnson.....	Springfield
Barbara Marie Ann Jones.....	Newark
Susan Kay Jones.....	Columbus
James Edward Kasik.....	Maple Heights
Susan Jane Kattman.....	St. Marys
Myrna Axelrod Keillin.....	Alliance
Alan Hathaway Kent.....	Defiance
Linda Amy Kimball.....	Dayton
Linda Mae Kipp.....	Dayton
Paul Franklin Kuder, A.B. (Capital University).....	Cattaraugus, N. Y.
John Paul Latham.....	Columbus
Larry Gerlach Leese.....	Columbus
Yvonne Roscoe Lenart.....	Columbus
Elliot Richard Levine.....	University Heights
Bernard Wesley Lincicome.....	Roseville
Karen Sylvester Long.....	Bath
Carol Freshwater Manchester.....	North Lewisburg
Sharon Dee Mandel.....	Cleveland
Joy Gustin Matteson.....	Columbus
Karen June Maul.....	Dayton
Geraldine Higham McClain.....	Marion
George Arthur McCoy.....	Alliance
John Jay McDonald.....	Dayton
Sally Gamertsfelder McDonald.....	Fostoria
Bernice McGee.....	Columbus
Michael Lynn McNeal.....	Chillicothe
Charles Anthony Mentel.....	Columbus
Donna Jean Mercer.....	Zanesville
Mary Margaret Merchant.....	Marion
Mary Clarke Michael.....	Columbus
Carol Irene Miller.....	Rio Grande
Gwendolyn Hershberger Miller.....	Columbus
Paul Essner Miller, Jr.....	Ashtabula
Jack Benjimen Needles.....	Upper Sandusky
Carol Sue Noble.....	Hebron
Simone Goodman Nupuf.....	Columbus
Judith Thompson Odell.....	Dublin

Carol Cook Owen.....	Akron
Patrick Paul Pacella.....	Campbell
Judith Jacobs Pechaitis.....	Wakeman
Linda Mae Pendy.....	Bay Village
Marlene Christine Pientka.....	South Euclid
Renee Debra Pikkell.....	Cleveland Heights
Lois Applebaum Podolny.....	Akron
Sally Ruth Berenberg Polisner.....	Beachwood
Robert Patsy Porco.....	Steubenville
Harold Robert Povenmire.....	Columbus
Gary Paul Pozsik.....	Toledo
Hannah K. Pruitt.....	Lancaster
Mary Ellen Rayburn.....	Marion
Loretta Seitz Rhyan.....	Columbus
Richard Elwin Rice.....	Columbus
Linda Munitz Rich.....	Cleveland
Don Eugene Riddle.....	Chandlerville
Penelope Miller Riebel.....	Columbus
Charlene Gulker Robenalt.....	Ottawa
Elaine Spike Rocco.....	Elyria
Audrey Dorothea Rogers, B.A.....	Akron
Hannah Rochelle Rotman.....	Willoughby
Barbara Wolf Rudner.....	Canton
Sarah Elizabeth Schloss.....	Dayton
James George Schnapp.....	Miamisburg
Judith Blair Schwertfager.....	Fairborn
Robert Alfred Searles.....	Delaware
Diana Lambert Seebode.....	Columbus
Harriet Seldon.....	Dayton
John Robert Seman.....	Columbus
Shirley Slapin Shagrin.....	Cincinnati
Nancy Elaine Shai.....	Zanesville
Kathleen Ruth Shively.....	Akron
Sally Shrader.....	Elmore
David Irvin Shumaker.....	Fostoria
William Dale Siders.....	Hillsboro
Arthur Joseph Signore, Jr.....	Miami Shores, Fla.
Michael Allen Simpson.....	Urbana
John Byron Skidmore.....	Richwood
Richard Frederick Slater.....	Columbus
Mary Ellen Gaffney Slauson.....	Kettering
Elizabeth Gail Smith.....	New Holland
Lyle Erwin Smith.....	Columbus
Winfred Scott Smith.....	Lakewood
Joyce Coleman Snodgrass.....	Steubenville
Christine Hadley Snyder (summa cum laude).....	Clarksville
Jane Frost Snyder.....	Mechanicsburg
Jack Everhart Sprouse.....	Columbus
Patty Joeline Stegall.....	Urbana
Gladys Estell Stull.....	Columbus
Linda Lucille Suttle.....	Rocky River
Ardell Charlene Swanson.....	Cleveland
Ronald Joseph Taylor.....	Columbus
James Harrison Thomas.....	Columbus
Sue Ellen Thornton.....	Wellington
Priscilla King Travis.....	Sunbury
Catherine Jane Tremain.....	Sidney

Sylvia Geyer Tritch.....	Dayton
*Charles Edward Walker.....	Columbus
Eva Lavonne Walter.....	Youngstown
Karen Martin Waple.....	Lima
Anthony Craig Warren.....	Columbus
Bette Brown Washburn.....	Roswell, N. Mex.
Arlene Faye Watkins.....	Groveport
Betty Cronin Webb.....	East Liverpool
Jacquelyn Wheeler.....	Massillon
Dorothy Reese Willis.....	Columbus
Carol Grace Workman.....	Mansfield
Carol Lee Wright.....	Columbus
Mary Estelle Zdonczyk.....	Shadyside
David Ralph Zickafoose.....	Tiffin

(One hundred and seventy-seven candidates)

Bachelor of Fine Arts

Mary Lou Edwards Hamilton.....	Columbus
Georgia Ann Jones.....	Orrville
Fred William Kimble.....	Columbus
Linda Sue Shapiro.....	Baltimore, Md.
Walter Lee Williams.....	Cleveland

(Five candidates)

Bachelor of Music

Richard Lee Bobo.....	Springfield
*Charles Edward Walker.....	Columbus

(Two candidates)

Bachelor of Science in Occupational Therapy

Patricia Davis Babcock.....	Sidney
Mary LeNien Blank.....	Maumee
Marlene Claire Bluestone.....	Cleveland
Mary Lou Waynar Clingan (cum laude).....	Bloomdale
Eileen Frances Schilliger.....	Ashley

(Five candidates)

* Two degrees

COLLEGE OF ENGINEERING

Dean: HAROLD A. BOLZ

Bachelor of Aeronautical and Astronautical Engineering

Darrell Brooke.....Cincinnati
Howard de Havilland Browne.....Valley Stream, L. I., N. Y.
Gerald Gene Wilson.....West Liberty
David Louis Younkin.....Louisville, Ky.

(Four candidates)

Bachelor of Agricultural Engineering

Charles Alvin Jentes.....Wooster

(One candidate)

Bachelor of Chemical Engineering

Fred Allen Shaffstall.....Marion

(One candidate)

Bachelor of Civil Engineering

Mohamed Boualga.....Frenda, Algeria
Dixon Flack Jenkins.....Dayton
Arvids Toms Rolle.....Columbus
Lawrence Baldwin Vogel, B.S. in Bus. Adm. (Bowling Green
State University).....Carey

(Four candidates)

Bachelor of Electrical Engineering

Frederick Lee Casselman.....Columbus
Fredrik Lee Forsberg.....Cleveland
Frederick George Gebhardt.....Marysville
Richard Jacques Hughes.....Columbus
John Louis Iacobucci.....Cincinnati
William Theodore Kavage.....Tiltsville
John Sylvester Pelzer.....Cincinnati
Robert Elwin Samson.....Lakewood
Lewis Howard Schmitt.....Columbus
Roger Lee Yeoman.....New Holland

(Ten candidates)

Bachelor of Industrial Engineering

Thomas Ronald Clevinger.....Wheelersburg
Robert Alan Dunton.....Washington C. H.
Michael Leon Fellman.....South Euclid
*Del William Heuser.....Mentor
Jan Olaf Johnson.....Columbus
Donald Emerson Lynd.....Johnstown
Jerry Ray Miller.....Defiance
James Paul Noble, Jr.....Columbus

(Eight candidates)

* Two degrees

Bachelor of Mechanical Engineering

John Sheppard Anderson.....Alexandria
Myron William Gallogly.....Mt. Vernon
Galen Lee Pearson.....Salem

(Three candidates)

**Bachelor of Science
in Physics**

David Lawrence Copen.....Yonkers, N. Y.
Philip Raynor Osmon.....Tiffin

(Two candidates)

COLLEGE OF LAW

Dean: FRANK R. STRONG

Juris Doctor

Helena Jackson Slawecki, B.A. (Wellesley College) Columbus
Charles Brown Voorhis II, B.A. (Pomona College, California) . . Worthington

(Two candidates)

Bachelor of Laws

Robert Perry Bartlett, Jr., A.B. (Denison University) Akron
Thomas Monroe Bolon, A.B. (Lafayette College) Columbus
Kenneth Dale Christner, B.A. Wellston
Peter George Eikenberry, B.A. Cambridge
Don Alan Evans, A.B. (Ohio University) Marion
James Maurer, A.B. (Ohio University) Nelsonville
Edward Slingluff Ormond, B.A. (Brown University) Zanesville
Bernard Raymond Roetzel, B.A. Akron
Jeremiah J. Spires, B.A. (Duquesne University) Lancaster
James Williams Taggart, B.A. (Otterbein College) Wooster
Arthur Charles Tell, B.A. (Dartmouth College) Findlay
Arthur Hudson Thomas, Jr., B.A. (Iowa Wesleyan College) Troy
Charles Willard Wilburn, B.Sc. in Bus.Adm. Chillicothe
Joel Renner Williams, B.A. (Otterbein College) Clayton

(Fourteen candidates)

COLLEGE OF MEDICINE

Dean: RICHARD L. MEILING

SCHOOL OF NURSING

Bachelor of Science in Nursing

Katharine Ann Borges.....	North Olmsted
Christina Leone Haas (cum laude).....	Englewood
Kathryn Ann Hahn.....	Painesville
Rosemary Frances Kleman.....	Ottawa
Joanne Theresa Miller.....	Elyria
Janet Sue Plecha.....	McDonald
Karen Sue Rhoades.....	Lima
Jane Ellen Van Deusen.....	Lorain
Verna Ann Wills.....	Portsmouth

(Nine candidates)

THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
NINE HUNDRED AND EIGHTY-SIXTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, January 17, 1964

The Board of Trustees met at its regular monthly meeting on Friday, January 17, 1964, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: Thomas F. Patton, Chairman, Smith L. Rairdon, Alan B. Loop, Stanley C. Allyn, John W. Bricker, Carlton S. Dargusch, John G. Ketterer, and Frederick E. Jones.

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Minutes of the last meeting were approved.

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President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Franz Theodore Stone Laboratory Assigned to
College of Agriculture and Home Economics

The Natural Resources Institute was established and the responsibility for the use of the physical facilities for the Franz Theodore Stone Laboratory was placed under the direction of the Executive Director of the Institute by action of the Board of Trustees on June 13, 1955. Consistent with the present policy of assigning the administrative responsibility for the instructional and research programs of the University to the academic units principally concerned, it has been proposed by Dr. Alfred B. Garrett, Vice President for Research, with the concurrence of the President's Cabinet, that the responsibility for directing the use of the facilities of the Franz Theodore Stone Laboratory located on Gibraltar Island and its ancillary facilities be transferred from the Executive Director of the Natural Resources Institute to the Dean of the College of Agriculture and Home Economics. The courses of instruction and the research programs carried on at the Stone Laboratory are under the academic supervision of the Department of Botany and Plant Pathology and the Department of Zoology and Entomology of the College of Agriculture and Home Economics.

It is therefore recommended that the responsibility for directing the use of the educational facilities of the Franz Theodore Stone Laboratory be assigned to the Dean of the College of Agriculture and Home Economics, effective February 1, 1964. It is understood that the responsibility for the maintenance, care and supervision of the buildings, grounds, boats, and equipment shall remain as at present, under the administrative supervision of the Director of the Physical Plant.

Upon motion of Mr. Dargusch, seconded by Mr. Bricker, the above recommendation was approved unanimously by roll call vote.

B. Honorary Degrees

The Faculty Council on December 17, 1963 recommended that the honorary degree, Doctor of Laws, be conferred on:

Peter H. Odegard

and also the honorary degree, Doctor of Science, be conferred on:

Glenn Allen Sonnedecker

It is, therefore, recommended that the Board of Trustees approve the Faculty Council recommendation and that these degrees be awarded at one of the Commencement Convocations to be held during the year 1964, or as soon as possible thereafter.

Upon motion of Mr. Loop, seconded by Mr. Ketterer, the above recommendation was approved unanimously by roll call vote.

January 17, 1964 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

C. Cooperative Extension Service - Personnel Budget
Revision for 1963-1964

On December 30, 1963 Congress approved the Federal appropriation for the Cooperative Extension Service for the 1964 fiscal year as provided in the Smith-Lever Act. It is therefore recommended that the Personnel Budget for the Cooperative Extension Service be increased in the amount of \$121,860.00 above the budget approved by this Board on July 12, 1963. This action will increase the approved Cooperative Extension Service Personnel Budget to \$3,530,362.00 for 1963-64.

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the Cooperative Extension Service Personnel Budget as revised was approved unanimously by roll call vote, and the Secretary was instructed to record the amendments resulting from this increase on the "Salary Roll" of the Cooperative Extension Service for 1963-1964.

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II. PERSONNEL CHANGES

It is recommended that all personnel changes since the December 13, 1963 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Appointments, Retirement, and Leave of Absence With Salary:

A. Appointments

Donald F. Westra, Assistant Dean for Development, College of Medicine, effective April 1, 1964, at a salary of \$18,168.00 per annum.

William K. Delaplane, Jr., Professor and Extension Specialist, Pest Control, in the Department of Zoology and Entomology and the Cooperative Extension Service, effective February 1, 1964, at a salary of \$12,168.00 per annum.

B. Report of Retirement of Dean Wendell D. Postle, College of Dentistry

President Fawcett announced that he had received a letter from Dr. Wendell D. Postle, Dean of the College of Dentistry, under the date of January 10, 1964, requesting that he be "relieved of the duties of the Deanship on December 31, 1964, but remain on the faculty in a teaching capacity until June 30, 1965," at which time he will retire from the University. This request to be relieved of his duties as Dean is in accordance with the policy of the Board of Trustees concerning retirement of principal administrative officers of the University. President Fawcett further stated that he will appoint a faculty committee from the College of Dentistry pursuant to Rule 13.0301 to select a successor to Dean Postle.

II. PERSONNEL CHANGES (continued)

C. Leave of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 12, 1954, the following-named person is recommended for Leave of Absence With Salary from the Agricultural Extension Service for the period indicated:

Doris R. Tupps, Instructor (County Extension Agent, Home Economics) Crawford County, February 1, 1964 through June 15, 1964, for a professional improvement program of study.

Upon motion of Mr. Bricker, seconded by Mr. Jones, the Appointments, Retirement, Leave of Absence With Salary, and the personnel changes recorded in the official "Salary Roll" of the University were approved unanimously by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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III. GENERAL CONTRACTS AND AGREEMENTS

A. The Ohio State University and The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

1. Government Contracts - Federal

- a. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for Mosquito Studies (to be known as National Institutes of Health Project No. 702 - Ext. #7 - Department of Zoology and Entomology). Gross Value - \$20,400.00.
- b. Department of Health, Education and Welfare, Bureau of State Service, Washington, D. C., for an Investigation of Physiology of Aquatic Bacteria (to be known as Bureau of State Service Project No. 705 - Ext. #8 - Department of Microbiology). Gross Value - \$9,009.00.
- c. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Hemopoiesis: A Histochemical and Cytological Study (to be known as National Institutes of Health Project No. 893 - Ext. #5 - Department of Anatomy). Gross Value - \$28,565.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- d. Department of Health, Education and Welfare, Bureau of State Service, Washington, D. C., for an Investigation of Microbiological Aspects of Farm-Pond Water Supplies (to be known as Bureau of State Service Project No. 895 - Ext. #5 - Department of Microbiology).
Gross Value - \$14,882.00.
- e. Department of Health, Education and Welfare, Bureau of State Service, Washington, D. C., for an Investigation of Significance of Spore-Forming Microorganisms in Milk (to be known as Bureau of State Service Project No. 1046 - Ext. #4 - Department of Dairy Technology).
Gross Value - \$13,536.00.
- f. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Specificity and Role of Leukocyte Antibodies (to be known as National Institutes of Health Project No. 1091 - Ext. #3 - Department of Medicine).
Gross Value - \$16,080.00.
- g. National Aeronautics and Space Administration, Washington, D. C., for an Investigation of Receiver Techniques and Detectors for Use at Millimeter and Submillimeter Wave Lengths (to be known as National Aeronautics and Space Administration Project No. 1093 - Sup. #3 - Department of Electrical Engineering).
Gross Value - \$100,000.00.
- h. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Ventricular Depolarization in Heart Malformations (to be known as National Institutes of Health Project No. 1215 - Ext. #3 - Department of Veterinary Physiology and Pharmacology).
Gross Value - \$27,264.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Ethanolamine Metabolism in Animals and Plants (to be known as National Institutes of Health Project No. 1217 - Ext. #3 - Department of Physiological Chemistry).
Gross Value - \$12,696.00.
- j. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of the Biochemical Role of the Essential Fatty Acids (to be known as National Institutes of Health Project No. 1218 - Ext. #3 - Institute of Nutrition and Food Technology).
Gross Value - \$19,764.00.

January 17, 1964 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- k. Department of Health, Education and Welfare, Bureau of State Service, Washington, D. C., for an Investigation of Mechanisms of Photochemically Initiated Oxidations (to be known as Bureau of State Service Project No. 1220 - Ext. #3 - Department of Chemistry).
Gross Value - \$28,527.00.
- l. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Effects of Viruses on Germfree Dogs and Cats (to be known as National Institutes of Health Project No. 1356 - Ext. #2 - Department of Veterinary Pathology).
Gross Value - \$31,848.00.
- m. Department of the Navy, Office of Naval Research, Washington, D. C., for an Investigation of Infrared Spectra and the Structure of Polyatomic Molecules (to be known as Office of Naval Research Project No. 1379 - Amend. #5 - Department of Physics).
Gross Value - \$6,750.00.
- n. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Lipoproteins and Cellular Organization (to be known as National Institutes of Health Project No. 1404 - Ext. #2 - Department of Physiological Chemistry).
Gross Value - \$17,899.00.
- o. U. S. Army Materiel Command, Harry Diamond Laboratories, Washington, D. C., for an Investigation of Semiconductor Properties Affected by Acceleration (to be known as Harry Diamond Laboratories Project No. 1471 - Mod. #10 - Department of Electrical Engineering).
Gross Value - \$9,000.00.
- p. Systems Engineering Group, Research and Technology Division, Wright-Patterson Air Force Base, Ohio, for Ion Sheath Propagation Studies (to be known as Systems Engineering Group, Research and Technology Division Project No. 1565 - Sup. #2 - Department of Electrical Engineering).
Gross Value - \$100,000.00.
- q. Systems Engineering Group, Research and Technology Division, Wright-Patterson Air Force Base, Ohio, for an Investigation of the Utilization of the Point Matching Techniques for Various Boundary Value Problem Solutions (to be known as Systems Engineering Group, Research and Technology Division Project No. 1568 - Sup. #2 - Department of Engineering Mechanics).
Gross Value - \$24,744.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- r. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for Chemical Studies of Stimulated Retina (to be known as National Institutes of Health Project No. 1575 - Ext. #1 - Institute for Research in Vision).
Gross Value - \$16,937.00.
- s. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Experimental Polioencephalomyelitis (to be known as National Institutes of Health Project No. 1582 - Ext. #1 - Department of Veterinary Pathology).
Gross Value - \$27,822.00.
- t. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for Germ-Free and Gnotobiotic Ruminant Nutrition Studies (to be known as National Institutes of Health Project No. 1586 - Ext. #1 - Institute of Nutrition and Food Technology).
Gross Value - \$19,620.00.
- u. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Respiratory Regulation of Heart Rate (to be known as National Institutes of Health Project No. 1591 - Ext. #1 - Department of Physiology).
Gross Value - \$10,479.00.
- v. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Tissue Heparin Levels in Fetus and Newborn (to be known as National Institutes of Health Project No. 1592 - Ext. #1 - Children's Hospital).
Gross Value - \$14,148.00.
- w. Systems Engineering Group, Research and Technology Division, Wright-Patterson Air Force Base, Ohio, for Research on Separation of Solid Particles from a Swirling Fluid Flow (to be known as Systems Engineering Group, Research and Technology Project No. 1766 - New - Department of Aeronautical and Astronautical Engineering).
Gross Value - \$40,033.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- x. National Science Foundation, Washington, D. C., for Support of the Institute of Polar Studies, 1964-65 (to be known as National Science Foundation Project No. 1768 - New - Institute of Polar Studies).
Gross Value - \$27,400.00.
- y. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Phenylalanine Metabolism in Phenylketonuria (to be known as National Institutes of Health Project No. 1770 - New - Department of Pathology).
Gross Value - \$7,708.00.
- z. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for Studies of Metabolic Defects in Accumulation Diseases (to be known as National Institutes of Health Project No. 1771 - New - Department of Pathology).
Gross Value - \$4,834.00.
- aa. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Bar Weight as the UCS Avoidance Conditioning (to be known as National Institutes of Health Project No. 1772 - New - Department of Psychology).
Gross Value - \$4,090.00.
- bb. National Science Foundation, Washington, D. C., for an Investigation of Demographic Estimation of Age Distribution (to be known as National Science Foundation Project No. 1773 - New - Department of Sociology and Anthropology).
Gross Value - \$13,700.00.

TOTAL - Government Contracts - Federal \$667,735.00

2. Industrial and Other Contract

- a. Central Ohio Heart Association, 3416 North High Street, Columbus, Ohio, for an Analysis of the Physiologic Volumes Comprising the Central Venous Volume (to be known as Central Ohio Heart Association Project No. 1526 - COHA Ltr. 10/15/63 - Department of Veterinary Physiology and Pharmacology).
Gross Value - \$1,050.00.

January 17, 1964 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and The Ohio State University Research Foundation

2. Industrial and Other Contract (continued)

The foregoing twenty-nine contracts for research in cooperation with Government, Industry and Other represent a gross income of \$668,785.00.

Upon motion of Mr. Allyn, seconded by Mr. Ketterer, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were approved by unanimous consent.

B. The Report of the Research Contracts from the Engineering Experiment Station

During the period from December 1, 1963 through January 3, 1964, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record.

1. Government Research Contract

EES 189	A Study of Roadside Maintenance and Its Effect in
Ext. #3	Highway Design and Construction, Ohio Department
	of Highways, Columbus, Ohio, Bureau of Public Roads,
	Washington, D. C.
	Gross Value - \$29,400.00.

2. Industrial Research Contract

EES 215	The Degradability of Selected Detergent Products in
Ext. #2	Domestic Waste Waters by Full Scale Aerobic Digestion,
	The Procter and Gamble Company, Ivorydale Technical
	Center, Cincinnati 17, Ohio.
	Gross Value - \$3,277.00.

The foregoing two contracts for research in the Engineering Experiment Station represent a gross income of \$32,677.00.

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IV. GRANTS AND GIFTS

The following grants and gifts to the University, including the establishment of certain memorial and endowment funds, are hereby reported for the record and appropriate expressions of appreciation have been conveyed.

A. Administered Through the Office of Business and Finance

1. \$202,834.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "General Research Support," under the direction of Dr. Richard L. Meiling, Dean of the College of Medicine, for the period January 1, 1964 through December 31, 1964. (Grant 1 S01 FR-05409-01)

January 17, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

2. \$94,100.00 granted by the National Science Foundation to the University for support of a "Summer Institute in Mathematics for Secondary School Teachers of Mathematics under the direction of Professor Robert C. Fisher, Department of Mathematics. This grant terminates September 30, 1964. (GE-3516)
3. \$55,700.00 granted by the National Science Foundation to the University for support of a "Summer Institute in Science for Secondary School Teachers of Science," under the direction of Dr. John S. Richardson, Department of Education. This grant terminates September 30, 1964. (GE-3515)
4. \$42,491.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "General Research Support," under the direction of Dr. Walter R. Krill, Dean of the College of Veterinary Medicine, for the period January 1, 1964 through December 31, 1964. (Grant 1 S01 FR-05463-01)
5. \$39,900.00 granted by the National Science Foundation to the University for support of a "Summer Institute in Geology and the Nature of Science for Secondary School Teachers of General Science," under the direction of Professor Edmund M. Spieker, Department of Geology. This grant terminates September 30, 1964. (GE-3498)
6. \$27,865.00 granted by the National Science Foundation to the University for support of a "Summer Science Training Program for Secondary School Students," under the direction of Dr. Arnold E. Ross, Department of Mathematics. This grant terminates October 31, 1964. (GE-3802)
7. \$19,000.00 granted by the National Science Foundation to the University for support of a "Summer Institute in Radiation Biology for Secondary School Teachers of Science," under the direction of Dr. John S. Richardson, Department of Education. This grant terminates September 30, 1964. (GE-3485)
8. \$18,935.00 granted by the National Science Foundation to the University for support of a "Summer Science Training Program for Secondary School Students," under the direction of Paul T. Yarrington, College of Engineering. This grant terminates October 31, 1964. (GE-3796)
9. \$10,000.00 granted by the National Science Foundation to the University for support of the "Ninth International Conference on Low Temperature Physics," under the direction of John G. Daunt, Department of Physics. This conference is to be held during August and September 1964. (GP-2373)

TOTAL - Through Office of Business and Finance \$510,825.00

January 17, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund

1. \$30,000.00 from E. I. duPont de Nemours and Company to support fundamental research in the Departments of Chemistry, Chemical Engineering, Physics, and Metallurgy for 1964.
2. \$15,000.00 from The Friedman Foundation (Mr. and Mrs. Robert G. Friedman, Tiffin, Ohio) to be deposited in the University's Investment Portfolio and that it be added to the fund for the construction of a new residence for the President.
3. \$10,481.40 in securities (No. AC 56183 for 100 shares common stock The Firestone Tire and Rubber Company; No. AC 56184 for 100 shares common stock The Firestone Tire and Rubber Company; No. AC/0 64122 for 70 shares common stock The Firestone Tire and Rubber Company) from Mr. Raymond C. Firestone as an unrestricted gift with the preference that it be deposited in the University's Investment Portfolio and that it be added to the fund for the construction of a new residence for the President. These securities are listed at their mean market price as of December 18, 1963.
4. \$10,000.00 from Emma H. Meyer for The Emma H. Meyer Dairy Technology Fund.

The Emma H. Meyer Dairy Technology Fund

The Emma H. Meyer Dairy Technology Fund was established December 30, 1963 by a gift through the Development Fund from Emma H. Meyer.

The principal is to be invested in accordance with Sec. 3345.16 G. C.

The income is to be used in the Department of Dairy Technology for research purposes, or for scholarships at the graduate or undergraduate level, or for any other purpose deemed desirable by the Chairman of the Department of Dairy Technology.

In any year in which the income is not used it shall be added to the principal.

In the event that the Department of Dairy Technology as it now exists should be altered in any reorganization of the University colleges, schools and departments, the Board of Trustees or successor governing body of the University shall direct the use of the income for purposes within the field of Dairy Technology as recommended by the appropriate administrative official of the University then directly responsible for Dairy Technology education at The Ohio State University.

5. \$8,000.00 from Eli Lilly and Company, Indianapolis, Indiana--
\$5,000.00 for continuation of a research project in protozoa in rumen and \$3,000.00 for a new clinical pharmacology research project, both in the College of Medicine.

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

6. \$7,554.04 in securities (C1 32753 for 50 shares Continental Casualty - \$4,219.00; NoCA994 for 100 shares Nationwide Corporation; NoNAU440 for 106 shares Nationwide Corporation; NoNA07070 for 10 shares Nationwide Corporation - \$3,335.04) from Oscar E. Carlin to be added to the Oscar E., Florence P., David P., and Philip E. Carlin Scholarship Fund. These stock certificates were accepted on December 31, 1963.
7. \$6,125.00 in securities (No. C69025 for 100 shares General Telephone Corporation and No. C114158 for 100 shares General Telephone Corporation) from Dr. Theodore N. Beckman for The Theodore N. Beckman Fund for Research in Marketing. These securities are listed at their mean market price as of December 19, 1963.

The Theodore N. Beckman Fund for Research in Marketing

The Theodore N. Beckman Fund for Research in Marketing was established December 19, 1963 by a gift through the Development Fund from Dr. Theodore N. Beckman, Professor of Business Organization. The principal and any additions thereto are to be invested according to rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The income is to be used to facilitate and encourage research in marketing by faculty members and/or graduate students. The choice of research projects and the persons to conduct them shall be controlled by a committee to be composed of the Dean of the College of Commerce and Administration, the Chairman of the Department of Business Organization and a senior marketing faculty member who shall be chosen by the other two members of the committee.

In the event of a structural reorganization of the University which might entail positions other than those mentioned above, the Board of Trustees of the University is requested to appoint a committee which can and will perform the functions assigned to the above mentioned committee.

In case the need for the research indicated herein should cease to exist or so diminish as to create unused income then the Board of Trustees of the University may use said income in its discretion, preference to be given however to items in the area of marketing or business organization.

8. \$6,000.00 from the Woodrow Wilson National Fellowship Foundation for Woodrow Wilson Fellows in the Graduate School for 1963-64.
9. \$5,000.00 from Dr. Thomas Alvin Boyd, Detroit, Michigan, to be added to the Thomas A. Boyd Lectureship Fund in Engineering.

January 17, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

10. \$5,000.00 from The Allyn Foundation (Stanley C. Allyn) to be deposited in the University's Investment Portfolio and that it be designated to establish a fund for the construction of a new residence for the President.
11. \$5,000.00 from the National Machinery Foundation, Inc. (Mr. Robert G. Friedman, Tiffin, Ohio) to be deposited in the University's Investment Portfolio and that it be added to the fund for the construction of a new residence for the President.
12. \$5,000.00 from Dorothy and Lewis Rosenstiel Foundation, New York, New York, for heart research in the College of Medicine.
13. \$4,650.00 from Herbert L. Fenburr, Columbus, Ohio, for laboratory equipment in the Department of Chemical Engineering.
14. \$4,119.37 from friends of Ruth Blosser for the University Hospital Chapel Fund.

University Hospital Chapel Fund

The University Hospital Chapel Fund was established December 13, 1963 by gifts through the Development Fund, many of them in memory of Ruth Blosser, former School of Nursing faculty member.

The principal and any additions thereto are to be invested according to rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

When a Chapel or Meditation Room is provided in the University Hospital the principal is to be used to defray the expense of preparing and equipping the same. This would include anything agreed upon for the establishment of such a Chapel or Meditation Room.

Until the principal is so used, the income is to be used to provide a Ruth Blosser Award for a junior student in the School of Nursing.

15. \$4,041.88 from the National Fund for Graduate Nursing Education for the graduate program in the School of Nursing.
16. \$3,731.25 from William A. Dougherty as an undesignated gift to the University.
17. \$3,600.00 from Organson, Inc., West Orange, New Jersey, for research in the Department of Obstetrics.
18. \$3,500.00 from Donald C. Power to be added to the Donald C. Power Fund for the College of Law.
19. \$3,000.00 from The Arline and Thomas Patton Foundation to be added to the Thomas F. Patton Fund for the College of Law.

January 17, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

20. \$3,000.00 from Mrs. John W. Spain for eye research in the Department of Ophthalmology.
21. \$2,900.00 from Jacob E. Davis--\$1,000.00 for the Jacob E. Davis Fund for College of Law and \$1,900.00 for the Jacob E. Davis Scholarship Fund for School of Social Work.
22. \$2,400.00 from W. K. Kellogg Foundation, Battle Creek, Michigan, for scholarships for medical dietetic students in the College of Medicine.
23. \$2,000.00 from The City National Bank, Columbus, Ohio, for research in the College of Medicine.
24. \$1,756.09 from friends of Edward S. Drake for the Edward S. Drake Fund.

Edward S. Drake Fund

The Edward S. Drake Fund was established December 11, 1963 by gifts through the Development Fund from friends of Edward S. (Beanie) Drake, in his honor.

The principal is to be invested under rules and regulations adopted by the Board of Trustees of The Ohio State University with right to invest and reinvest as occasion dictates.

The income is to be used for undergraduate scholarships at The Ohio State University.

In case the need for such scholarships should cease to exist or so diminish as to create unused income, then the Board of Trustees of The Ohio State University may use said income for any purpose in its discretion.

25. \$1,500.00 from the Alton F. Davis Charitable Trust to be added to the Alton F. Davis Memorial Fund.
26. \$1,436.74 from friends of John E. Fintz for the John E. Fintz Memorial Fund.

John E. Fintz Memorial Fund

The John E. Fintz Memorial Fund was established December 9, 1963 by gifts through the Development Fund from friends of John E. Fintz (B.Sc. in Education '30) in his memory.

The principal is to be invested according to rules and regulations adopted by the Board of Trustees of The Ohio State University with right to invest and reinvest as occasion dictates.

The income is to be used in the field of special education.

January 17, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

27. \$1,200.00 from the Cleveland Greenhouse Vegetable Growers' Cooperative Association, Cleveland, Ohio, for seed breeding research in the College of Agriculture and Home Economics.
28. \$1,047.75 from Alan B. Loop to be credited to the College of Law Student Financial Aids Fund.
29. \$1,014.00 from Mrs. Shirle Nesbitt Westwater for Student Athletic Grant-in-Aid Fund.
30. \$1,000.00 from Richard T. Baker for the Student Athletic Grant-in-Aid Fund.
31. \$1,000.00 from Joseph L. Bitonte for eye research in the Department of Ophthalmology.
32. \$1,000.00 from George W. Byers, Sr. as an undesignated gift to the University.
33. \$1,000.00 from Dr. William H. Havener for eye research in the Department of Ophthalmology.
34. \$1,000.00 from Walter F. Heer, Sr. --\$500.00 for the Student Athletic Grant-in-Aid Fund and \$500.00 for research in the Institute for Research in Vision.
35. \$1,000.00 from James H. Hoffman, Mansfield, Ohio, for the Office of University Relations.
36. \$1,000.00 from Dr. Ralph S. Licklider--\$500.00 for the College of Medicine and \$500.00 for the Department of Athletics.
37. \$1,000.00 from Harry S. Littman for the Knight Endowment Fund, College of Law.
38. \$1,000.00 from Thomas B. Meek, Sr. for the School of Journalism.
39. \$1,000.00 from Fred A. Murphy for the Student Athletic Grant-in-Aid Fund.

TOTAL - Through the Development Fund \$168,057.52

C. Gifts-in-Kind

1. A collection of specially designed modern costumes constructed of fine fabrics from Mrs. Harvey S. Firestone, Jr. to the School of Home Economics.

January 17, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

C. Gifts-in-Kind (continued)

2. A gift of medical equipment from Oscar E. Carlin for the College of Medicine and University Hospital.

Upon motion of Mr. Bricker, seconded by Mr. Rairdon, the above report of grants and gifts, including the establishment of certain memorial and endowment funds, was accepted by unanimous vote, and the Secretary was instructed to include the report in the minutes of this meeting.

D. Report from The Ohio State University Development Fund

1. Month of December 1963

In December, 1963, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	2,227	\$ 90,235.89
Individuals, other than alumni	99	40,573.90
Nonprofit organizations	67	56,467.60
Business concerns	14	33,537.27
	<u>2,407</u>	<u>\$ 220,814.66</u>

Of these gifts, 1,883 totaling \$13,224.55 were undesignated and 524 totaling \$207,590.11 were designated.

2. Annual Report 1963

The totals for the calendar year 1963, January 1 to December 31, inclusive, are as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	29,538	\$ 627,736.51
Individuals, other than alumni	941	112,351.01
Nonprofit organizations	430	728,055.42
Business concerns	381	483,311.79
	<u>31,290</u>	<u>\$1,951,454.73</u>

Of these gifts, 25,832 totaling \$175,926.60 were undesignated and 5,458 totaling \$1,775,528.13 were designated.

This represents an increase over 1962 of \$95,518.26 in money and 710 in number of contributors.

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January 17, 1964 meeting, Board of Trustees

V. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra Orders, Credit Orders and Extensions of Time to Contracts as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated in each case.

A. Dining Facility South (Bradford Commons)

Plumbing Contract

It is recommended that water supply lines to the new type of hot chocolate and ice tea dispensers be provided in the serving area.

	<u>Add</u>	<u>\$ 657.00</u>
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Kitchen Equipment Contract

It is recommended that the following changes be made:

1. Change Item 103 Spray Rinse to T & S Spray Rinse Model B-133 with integral check valves, bracket and brush attachment. Add \$3.85.
 2. Change Item 501 Broiler to Toastmaster Model 4152-A, two broiler sections on cabinet base. Add \$9.00.
 3. Omit two Ice Makers. Deduct \$906.70.
 4. Change both cafeteria counters from 38" height to 36" height. No change in price.
 5. Omit Soak Sinks with faucets and hose hooks as specified and supply two Seco P-3-32P sinks with Chicago 772 faucets mounted on stainless steel angle and hose hooks mounted on wall. Add \$233.50.
 6. Omit hot chocolate, ice tea and juice dispensers, Items 1100, 1150, 1101, and 1151. Deduct \$3,000.00.
- | | | |
|--|------------------------|-------------------|
| | <u>Total deduction</u> | <u>\$3,660.35</u> |
|--|------------------------|-------------------|

Funds for this project are provided from the Dormitory Construction Fund.

B. Miami University - The Ohio State University Dayton Campus - Phase I

Utilities Contract

It is recommended that the following changes be made from the estimated bid quantities for pipe, manholes, watermain, excavation, etc. Prices used in the additions or deductions are those contained in Item 5A of the Bid Proposal.

January 17, 1964 meeting, Board of Trustees

V. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

B. Miami University - The Ohio State University Dayton Campus - Phase I
(continued)

Utilities Contract (continued)

1. Add 8" water main. Add \$276.00.
 2. Extra excavation. Add \$348.00.
 3. Extra 15" sanitary sewer. Add \$368.00.
 4. Deduct one sanitary manhole.
Deduct \$250.00.
- | | |
|---------------------|------------------|
| <u>Net addition</u> | <u>\$ 742.00</u> |
|---------------------|------------------|

Funds for this project are provided in Budget Account 91017.

C. Research Space - East Side of Stadium (Phase II)

It is recommended that an extension of time for completion be granted to all contracts due to the unavoidable delay in delivery of heating and electrical equipment. The original completion date was January 30, 1964, and it is proposed that the completion date be extended to March 15, 1964.

Electrical Contract

It is recommended that light fixtures be furnished and installed in Rooms 108L, 108M, 108N, 108P, 108R, 108S, 109L, 110L as indicated in Alternate E-2 of the original specifications.

<u>Add</u>	<u>\$1,050.00</u>
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Funds for this project are provided in Budget Account 91020, Research Space East Side of Stadium (Phase II).

Upon motion of Mr. Ketterer, seconded by Mr. Rairdon, the above recommendation was approved by unanimous roll call vote.

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VI. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of materials and estimates of cost for the following projects be approved by the Board of Trustees:

A. Renovation of Building for Dormitory Central Food Facility (Phase I)

This project provides refrigerated rooms for cold storage and prepares space for dry storage.

Funds for this project will be provided from Account 86291, General Dormitory Fund, University Treasurer Account.

January 17, 1964 meeting, Board of Trustees

VI. PLANS AND SPECIFICATIONS (continued)

B. Highway Testing Laboratory Remodeling

Remodeling of former Highway Testing Laboratory to provide facilities for the Department of Engineering Mechanics.

Funds for this project will be provided from Item 315-003, S. B. 370.

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the above recommendation was approved by unanimous roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter will be reported to the Board of Trustees at a later meeting.

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VII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contracts for the following projects have been recommended for award and the action is hereby reported to the Board:

A. Replacement of Contagious Wing Incinerator, University Hospital

Bids were received on December 30, 1963 for this project and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(2 bids received)		
F. L. Purdy Company (Columbus)	\$ 4,400.00	\$ 5,200.00

Funds for this project will be provided from the University Hospital Rotary.

B. College of Dentistry, Lobby and Corridor Repairs

Bids for this project were received on December 23, 1963, and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(5 bids received)		
Chester A. Smith, Inc. (Columbus)		
Base Bid for Marble and Tile	\$12,241.00	\$16,600.00
Alternate 2 Add Basement Corridor	2,853.00	4,000.00
Alternate 3 Coated Fabric Wall Covering	580.00	600.00
Total Contract	\$15,674.00	\$21,200.00

Funds for this project will be provided from Maintenance Account 200, H. B. 711.

January 17, 1964 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS (continued)

C. Repairs in Room 154 - Health Center Laboratory (Wiseman Hall)

Bids were received on December 23, 1963 for this project and the award of contracts recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (9 bids received)		
Waller & Lund, Inc. (Columbus)		
Base Contract	\$ 7,360.00	\$ 9,220.00
Alt. G-1 Two Cell Partition	50.00	500.00
Total Contract	<u>\$ 7,410.00</u>	<u>\$ 9,720.00</u>
 <u>Heating and Ventilating Contract</u> (4 bids received)		
Bruner Corporation (Columbus)	1,825.00	3,250.00
 <u>Plumbing Contract</u> (5 bids received)		
The Kuempel Company (Columbus)	1,970.00	1,750.00
 <u>Electrical Contract</u> (9 bids received)		
Pence Electric Company (Columbus)	<u>2,028.00</u>	<u>3,480.00</u>
 <u>Total Contracts</u>	<u>\$13,233.00</u>	<u>\$18,200.00</u>

Funds for this project will be provided from University Hospital Rotary and Rotary 19185, Project No. 5.

D. Repairs to Rooms 473, 476, 478, 479 and N-729, University Hospital

Bids were received as a result of readvertisement for the Plumbing Contract on December 17, 1963 and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Plumbing Contract</u> (3 bids received)		
Limbach Company (Columbus)	\$ 5,100.00	\$ 5,500.00

Funds for this project are provided from the University Hospital Rotary. Award of contracts for the other three divisions of this project were reported on December 13, 1963.

E. Installation of Air Conditioning in Rooms 174, 196A, 196F, 296G and 296H, McPherson Laboratory

Bids were received on January 8, 1964 for this project and the award of contracts recommended to the lowest and best bidder as follows:

January 17, 1964 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS (continued)

E. Installation of Air Conditioning in Rooms 174, 196A, 196F,
296G and 296H, McPherson Laboratory (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
(5 bids received)		
Julian Speer Company (Columbus)		
Base Bid	\$ 8,400.00	\$ 8,400.00
Alternate 3 Delete Pneumatic Temperature Control System in Entirety	Deduct 1,200.00	800.00
Total Contract	<u>\$ 7,200.00</u>	<u>\$ 7,600.00</u>

Funds for this project are provided from Department 2355, Budget
Account 18503 and then rebilled to six research accounts.

Upon motion of Mr. Allyn, seconded by Mr. Ketterer, the above award of
contracts and expenditure of funds were approved and the action of the Vice
President, Business and Finance, ratified by unanimous roll call vote.

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VIII. CONTROLLING BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

- 36 Approves the repair by force account and the expenditure of \$30,000.00
from Account 330, H. B. 711, for the project "Remodel 48 Private
Patient Rooms, University Hospital."
- 38 Approves the expenditure of \$45,000.00 from Account 330, H. B. 711,
to provide funds for the project "University Hospital, Repairs to Rooms
473, 476, 478, 479 and N-729."

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IX. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Materials Engineering and Science Building

It is recommended that the engineering firm of Ralph J. Cramer, Comer
& Passe, Columbus, Ohio, be employed to provide complete professional
engineering services for heating, ventilating and air conditioning, plumb-
ing, and electrical work for the above project, including design, prepa-
ration of drawings, specifications and estimate of cost, and complete
field supervision of construction.

The fee for this service will be 5 per cent of the cost of the mechanical
work or an estimated \$50,000.00. Funds will be provided from Item
315-002, S. B. 370.

Upon motion of Mr. Ketterer, seconded by Mr. Loop, the above recom-
mendation was approved by unanimous roll call vote.

IX. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

B. Renovation of Building for Dormitory Central Food Facility (Phase I)

It is recommended that the engineering firm of Metzger & Blackburn, Columbus, Ohio, be employed to provide complete professional engineering services for heating, ventilating and air conditioning, plumbing, and electrical work for the above project, including design, preparation of drawings, specifications and estimate of cost, and complete field supervision of construction.

The fee for this service will be on an hourly basis of \$8.00 per hour for engineers and \$5.00 per hour for draftsmen with a maximum fee of \$18,000.00. Funds will be provided from Account 86291, General Dormitory Fund, University Treasurer Account.

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the above recommendation was approved by unanimous roll call vote.

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X. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the death of Hans Sperber, Professor Emeritus of German; Paul Alfred Carmack, Associate Professor of Speech; Robert E. Monroe, Professor Emeritus of the Department of Romance Languages; and Nellie Watts, Professor Emeritus in the Cooperative Extension Service; and, in accordance with the instructions of the Board of Trustees, copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board have been furnished the families of the deceased.

A. Hans Sperber

The Board of Trustees expresses its sorrow at the death on December 10, 1963, of Hans Sperber, Professor Emeritus of German.

Dr. Sperber was born in Vienna, Austria, on March 25, 1885, the son of Wilhelm and Rudolfine Sperber. After being graduated from the Gymnasium, he attended the University of Vienna, where he studied Germanic and romance philology. He received the Ph.D. degree in 1907. That same year he went to Uppsala on a traveling scholarship awarded him by the University of Vienna to do postgraduate work. In 1908 he was appointed to a lectureship at the University of Uppsala, a position he held until 1915. He then went to the University of Cologne where he taught in the Department of Germanic Languages and Literatures from 1919 until 1933.

His special fields of interest were German and Scandinavian philology and semantics, in which he established an international reputation. In 1934 he was called to The Ohio State University where he taught in the German Department until he retired in 1955. After his retirement his services were sought by universities in this country and abroad. Professor Sperber was guest professor at the University of Hamburg in 1956-57, and from 1960 to 1963 he taught at the University of Bonn, two years of which were on a Fulbright grant.

January 17, 1964 meeting, Board of Trustees

X. RESOLUTIONS IN MEMORIAM (continued)

A. Hans Sperber (continued)

Professor Sperber was the author of several books and numerous articles published in learned journals in Germany, Austria, Sweden, Norway, and America, dealing with problems in linguistics, literature, and folklore. His books, too, show his breadth of interest. They include: Sechs Islandische Gedichte legendarischen Inhalts (Uppsala: 1913); Über den Affekt als Ursache der Sprachveränderung (Halle: 1914); Studien zur Bedeutungsentwicklung der Praposition UBER (Uppsala: 1915); Motiv und Wort (with Leo Spitzer) (Leipzig: 1918); Einführung in die Bedeutungslehre (Bonn und Leipzig: 1923); Geschichte der deutschen Sprache (Berlin und Leipzig: 1926, 2nd ed. 1958); Three Keys to Language (with R. M. Estrich) (New York: 1952); American Political Terms. An Historical Dictionary (with Travis Trittschuh) (Detroit: 1962).

Professor Sperber was not only a profound scholar, but an inspired and stimulating teacher. He was beloved by his students, both graduate and undergraduate, at Ohio State and abroad. Anyone that came into contact with him profited from his wisdom, knowledge, and never failing understanding.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

B. Paul Alfred Carmack

The Board of Trustees expresses its sorrow at the death on December 27, 1963, of Paul Alfred Carmack, Associate Professor of Speech.

Dr. Carmack was born on March 16, 1903, in Murdock, Illinois. He received his A.B. degree with High Distinction from DePauw University in 1929, the M.S. degree from Butler University in 1942, and the Ph.D. degree from Syracuse University in 1949. In 1962 he was awarded the honorary LL.D. degree by Findlay College. He taught at Indiana State Teachers College and Syracuse University prior to joining the faculty of The Ohio State University in 1946.

Dr. Carmack's record of service to his profession, his community, and his church earned him the high regard of his associates. Among the offices he held were the following: Member of Board of Directors of the American Institute of Parliamentarians; Vice President of the Ohio Council of State Universities of the American Association of University Professors; President of the Ohio State Chapter of the American Association of University Professors; member of Executive Committee of the Legislative Assembly of the Speech Association of America; Parliamentarian to the Speech Association of America, the Ohio Education Association of America, the Ohio Association of Real Estate Boards, and the Ohio State Nurses Association; National Secretary of Delta Sigma Rho, National Honorary Forensic Society; President of the Board of Trustees of the Riverside Methodist Church; President of the Perry Local Board of Education; President of the American Forensic Association; Chairman of the Ohio Conference for Speech Education. He was a member of Phi Kappa Phi, Phi Delta Kappa, and Delta Sigma Rho.

X. RESOLUTIONS IN MEMORIAM (continued)

B. Paul Alfred Carmack (continued)

Dr. Carmack's contribution to speech in Ohio will long be remembered. Not only was he chairman of the annual Ohio Conference for Speech Education but was the driving force which sustained and brought it national recognition. He encouraged the founding of the Ohio Speech Journal and was the editor of the first two volumes which received wide acclaim.

Dr. Carmack was widely known for his development of rhetorical models of many important rhetoricians of all ages and for his work with graduate students. At the time of his death, a book of rhetorical studies, of which he was the co-editor, was nearing completion. His extensive personal library, containing many rare editions of books on rhetorical theory and public speaking, was always available for the use of students.

More than any other single attribute, he stood highest as a man of good will and character--the factor of ethos of which Aristotle spoke, Paul Alfred Carmack was a persuasive man whose chief mode of persuasion was personal--his own ethos. His breadth of interest and depth of devotion to the service of his fellow men will cause his loss to be widely and deeply mourned.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

C. Robert E. Monroe

The Board of Trustees expresses its sorrow at the death on December 7, 1963, of Robert E. Monroe, Professor Emeritus of the Department of Romance Languages.

Born in Webberville, Michigan, on February 11, 1883, Robert Emmett Monroe was brought up and educated in Michigan and received his A.B. in 1902 and his M.A. in 1913 from the University of Michigan. He was Assistant Professor of Modern Languages at Georgetown College, Georgetown, Kentucky, from 1908 to 1909; Associate Professor of Romance Languages at Transylvania College at Lexington, Kentucky, from 1909 to 1910; and Professor and Head of the Department of Romance Languages in the same institution from 1910 to 1920. At that time he left teaching to conduct and organize European trips for the Temple Tours. He resumed his teaching career in 1929 when he came to The Ohio State University to supervise the elementary courses in French and Spanish as Professor of Romance Languages in that department.

During his twenty-four years of service at The Ohio State University, Professor Monroe contributed much to the teaching of French and Spanish. In collaboration with Professor William S. Hendrix, then chairman of the Department, he advocated and developed the aural phase of language teaching at a time when most of the language departments in the country were emphasizing only reading objectives. In addition to supervising the elementary courses in French and Spanish, he worked constantly with the

January 17, 1964 meeting, Board of Trustees

X. RESOLUTIONS IN MEMORIAM (continued)

C. Robert E. Monroe (continued)

graduate students of other departments who were preparing their reading examinations in those languages. He maintained close contact with the teachers of French and Spanish in the Columbus and Ohio high schools and did much to encourage the learning of these languages throughout the State. He participated in many campus activities. As a member and at one time chairman of the Athletic Board, he exercised a considerable influence at a time when the athletic program was growing. He was president of the Faculty Club from 1944 to 1945.

During his years of service in the Department of Romance Languages, he trained many graduate assistants to teach; and he will be remembered as a most inspiring and resourceful teacher by the hundreds of students who took his courses. Mr. Monroe became Professor Emeritus upon his retirement in 1953.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

D. Nellie Watts

The Board of Trustees expresses its sorrow at the death on January 4, 1964, of Nellie Watts, Professor Emeritus in the Cooperative Extension Service.

Professor Watts in her thirty years of work in Home Economics as a part of the Ohio Cooperative Extension Service, College of Agriculture and Home Economics, did much to make Extension an educational effort. She gave outstanding leadership to the continuous professional improvement of the Extension staff and was an inspirational force in improving the local leader training program.

Professor Watts received her B.S. degree from Pennsylvania State University in 1920 and her M.S. degree from the University of Pittsburgh in 1923. In 1925 she came to Ohio and served as a Home Demonstration Agent in both Warren and Franklin counties. Because of her competence she was promoted to Assistant State Home Demonstration Leader and later to State Home Demonstration Leader, the position she held until her retirement in 1955. Because of her significant contributions to the total educational program of The Ohio State University and her effective pursuit of excellence in all endeavors, she was held in very high esteem by her associates on the faculty of the University.

Professor Watts had a genuine interest in the training and development of professional home economics workers in several other countries of the world. She served on two special missions to Israel and Ethiopia and was the supervisor for many international groups of women who came to Ohio State to study Home Economics.

X. RESOLUTIONS IN MEMORIAM (continued)

D. Nellie Watts (continued)

After retirement her educational interests continued through contact with many groups in the State explaining the problems and need for an educational relationship with other countries. She was a vital force in the Columbus community through her active and dedicated association with professional, civic, and church organizations.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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XI. REPORTS

A. Reports from the Finance and Investment Committee

1. Central Food Facility and Dining Facility Northwest

Mr. Dargusch, a member of the Finance and Investment Committee, presented the following resolution:

BE IT RESOLVED by the Board of Trustees of The Ohio State University that:

Section 1. The President and Vice President, Business and Finance, and each of them, are authorized to expend from the Contingency Repair and Replacement Fund, established and existing with The Ohio National Bank of Columbus, Ohio, under Trust Agreement dated as of April 15, 1957, as supplemented, such sums of money as may be needed to pay costs of construction and equipping the Central Food Facility at 1315 Kinnear Road, Columbus, Ohio, and from surplus money in the Dormitory Revenue Fund, such sums as may be needed to pay costs of acquiring, leasing, remodeling, renovating and equipping the Central Food Facility and Dining Facility Northwest.

Section 2. The President and Vice President, Business and Finance, and each of them are authorized to expend from the Contingency Repair and Replacement Fund and from surplus monies in the Dormitory Revenue Fund such sums of money as may be needed to pay costs of constructing and equipping additional dormitory facilities, to be known as the Northwest Commons, including without implied limitation, cost of obtaining plans, specifications and drawings, both preliminary and final, architect's and engineer's fees, costs of construction and equipment and any and all other costs necessary or incidental to the aforesaid project, and the President and Vice President, Business and Finance, and each of them are authorized to hire and appoint architects and engineers to prepare plans, specifications and drawings for said project.

Upon motion of Mr. Dargusch, seconded by Mr. Bricker, the above resolution was adopted by unanimous roll call vote.

XI. REPORTS (continued)

A. Reports from the Finance and Investment Committee (continued)

2. Report on the Investment Portfolio

The report on the University's Investment Portfolio dated December 31, 1963 was presented to the Board of Trustees. The Secretary was instructed to file a copy of the report with the official records of the Board of Trustees.

B. Report on Actions Taken by the Ohio Board of Regents
at Its Meeting on January 10, 1964 on the Requests
Submitted by The Ohio State University

1. Approval of Degrees

The Board of Regents by unanimous vote approved The Ohio State University's proposals to grant (a) the Doctor of Optometry degree and (b) the Doctor of Philosophy degree in Slavic Languages and Literatures.

2. Approval of Requests for Release of Capital Improvement Funds

The Board of Regents at its January meeting approved the release of funds for the following nineteen Capital Improvement Projects. This action is in accordance with Amended Senate Bill 370 as enacted by the 105th General Assembly of Ohio.

Release of \$95,000 for plans for materials, Engineering and Science Building. Total appropriation \$2,309,000.

Release of \$32,340 for plans for Dentistry Laboratories. Total appropriation \$854,500.

Release of \$90,000 for plans for Physics and Astronomy Building. This is the total appropriation.

Release of \$122,360 for plans for Engineering Classrooms and Laboratories. Total appropriation \$2,897,000.

Release of \$30,000 for plans for Aerodynamics and Missile Propulsion Laboratory. Total appropriation \$469,500.

Release of \$47,740.00 for plans for Chemistry Research Facilities. Total appropriation \$1,310,000.

Release of \$97,000 for plans for Electronics Laboratories. This is the total appropriation.

Release of \$83,400 for plans for Systems Engineering Building. This is the total appropriation.

Release of \$112,560 for plans for Pharmacy Building. Total appropriation \$3,321,800.

January 17, 1964 meeting, Board of Trustees

XI. REPORTS (continued)

B. Report on Actions Taken by the Ohio Board of Regents
at Its Meeting on January 10, 1964 on the Requests
Submitted by The Ohio State University (continued)

2. Approval of Requests for Release of Capital Improvement Funds
(continued)

Release of \$15,610 for plans for modernization of Orton Hall and Mendenhall Laboratories. Total cost will be \$317,500 out of an overall appropriation item of \$1,078,000 for modernization of Engineering and Physical Science Facilities.

Release of \$175,100 for completion of Robinson Laboratory. This is a part of an overall appropriation item of \$1,078,000 for modernization of Engineering and Physical Science Facilities.

Release of \$17,570 for plans for modernization of Commerce and Administration Buildings. Total cost will be \$296,700 out of an overall appropriation of \$421,700.

Release of \$102,300 for Olentangy River Improvements. This is a part of an overall appropriation of \$1,307,000 for the Campus Loop Road.

Release of \$379,000 for Remodeling a former Highway Testing Laboratory. This is a part of an overall appropriation of \$1,078,000 for modernization of Engineering and Physical Science Facilities.

Release of \$464,000 for purchase of Urban Renewal Land and to reverse an earlier transfer of General Fund money to its original source, which will no longer be needed.

Release of \$33,740 for plans and \$536,600 for right-of-way for the Campus Loop Road. This is a part of an overall appropriation of \$1,307,000 for the Campus Loop Road.

\$1,000,000 for College of Medicine - Land.

Release of \$147,620 for plans at the Dayton Branch. Total appropriation \$3,000,000.

Release of \$131,740 for plans for Removal of the Veterinary Clinic. Total appropriation \$200,000.

3. Action Deferred on Request for Release of Capital Improvement Funds

The Board of Regents deferred action on release of funds for planning for the following two projects:

January 17, 1964 meeting, Board of Trustees

XI. REPORTS (continued)

B. Report on Actions Taken by the Ohio Board of Regents
at its Meeting on January 10, 1964 on the Requests
Submitted by The Ohio State University (continued)

3. Action Deferred on Request for Release of Capital Improvement Funds
(continued)

\$130,685 for plans for the Lima Branch. Total appropriation \$3,300,000.

\$88,790 for plans for the Mansfield Branch. Total appropriation \$2,200,000.

4. Capital Improvement Projects Not Yet Activated

\$90,400 for modernization of the Communications Laboratory. This is a part of the overall appropriation item of \$1,078,000 for modernization of Engineering and Physical Science Facilities.

\$116,000 for modernization of Brown Hall. This is a part of the overall appropriation item of \$1,078,000 for modernization of Engineering and Physical Science Facilities.

\$125,000 for Renovation of Walks and Roads.

\$250,000 for addition to Starling Loving Hall.

\$2,000,000 for College of Medicine--Plans.

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Thereupon the Board adjourned to meet Friday, February 14, 1964, at The Ohio State University, Columbus, Ohio, at ten o'clock.

Attest:

John T. Mount
Secretary

Thomas F. Patton
Chairman

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
NINE HUNDRED AND EIGHTY-SEVENTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, February 14, 1964

The Board of Trustees met at its regular monthly meeting on Friday, February 14, 1964, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: Thomas F. Patton, Chairman, Smith L. Rairdon, Alan B. Loop, Jacob E. Davis, Stanley C. Allyn, John W. Bricker, Carlton S. Dargusch, and John G. Ketterer.

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Minutes of the last meeting were approved.

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February 14, 1964 meeting, Board of Trustees

President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Honorary Degrees

The Faculty Council on February 11, 1964 recommended that the honorary degree, Doctor of Science, be conferred on:

J. George Harrar
George Preston Hoff

and also the honorary degree, Doctor of Laws, be conferred on:

Potter Stewart

It is therefore recommended that the Board of Trustees approve the Faculty Council recommendation and that these degrees be awarded at one of the Commencement Convocations to be held during the year 1964, or as soon as possible thereafter.

Upon motion of Mr. Bricker, seconded by Mr. Ketterer, the above recommendation was approved unanimously by roll call vote.

B. Report of Auditor of State to The Ohio State University

The Annual Report of the Auditor of State for the fiscal year 1962-63 has been received. The report indicates that the books and records of The Ohio State University are in excellent condition and that all accounts are in order.

It is recommended that the receipt of the Annual Report of the Auditor of State be noted in the minutes of this meeting and that it be filed with the official documents of the Board of Trustees.

Upon motion of Mr. Davis, seconded by Mr. Loop, the above recommendation was approved unanimously by roll call vote.

C. Degrees Conferred - Winter Quarter Commencement Convocation

It is recommended that degrees be conferred at the Winter Quarter Commencement Convocation on March 19, 1964 to those students who have completed requirements for their respective degrees and are recommended by the Faculty Council. The names of those awarded degrees will be included in the minutes of this meeting. (See Appendix VI, page 335).

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the above recommendation was approved unanimously by roll call vote.

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February 14, 1964 meeting, Board of Trustees

II. PERSONNEL CHANGES

It is recommended that all personnel changes since the January 17, 1964 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Promotions in Administrative Positions and Leave of Absence Without Salary:

A. Promotions in Administrative Positions

Elzy V. McCollough from Professor, Department of Accounting, to Professor and Chairman, effective March 1, 1964, at a salary of \$17,268.00 per annum.

Albert J. Kuhn from Associate Professor, Department of English, to Associate Professor and Chairman, effective July 1, 1964, at a salary of \$16,068.00 per annum.

B. Leave of Absence Without Salary

Metellus E. Cravens, Professor (part time - 43%), Agricultural Economics and Rural Sociology, April 1, 1964 through June 30, 1964, to serve as a project leader for an economic study of food grain storage and handling in East Pakistan.

Upon motion of Mr. Loop, seconded by Mr. Davis, the Promotions in Administrative Positions, Leave of Absence Without Salary, and the personnel changes recorded in the official "Salary Roll" of the University were approved unanimously by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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III. GENERAL CONTRACTS AND AGREEMENTS

A. The Ohio State University and The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

1. Government Contracts - Federal

- a. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Electron Properties of Chlorophyll Films (to be known as National Institutes of Health Project No. 1017 - Ext. #4 - Department of Chemistry).
Gross Value - \$11,880.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- b. Department of the Navy, Office of Naval Research, Washington, D. C. , for Conducting a Course of Instruction in Navy Price Analysis (to be known as Office of Naval Research Project No. 1086 - Amend. #8 - Defense Management Center).
Gross Value - \$28,863.00.
- c. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Control of Pituitary ACTH Secretion (to be known as National Institutes of Health Project No. 1272 - Sup. #1 - Department of Pharmacology).
Gross Value - \$7,068.00.
- d. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Ventricular Ejection Studied by Simplified Techniques (to be known as National Institutes of Health Project No. 1337 - Ext. #3 - Department of Medicine).
Gross Value - \$12,672.00.
- e. Systems Engineering Group, Research and Technology Division, Wright-Patterson Air Force Base, Ohio, for Contributive Research in Thermomechanics (to be known as Systems Engineering Group, Research and Technology Division Project No. 1401 - Mod. #4 - RF Internal Supervision).
Gross Value - \$31,420.00.
- f. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for Genetic Analysis of Foulbrood Resistance (to be known as National Institutes of Health Project No. 1572 - Ext. #1 - Department of Zoology and Entomology).
Gross Value - \$18,783.00.
- g. Department of the Navy, U. S. Naval Training Device Center, Port Washington, New York, for Team Training Study (to be known as U. S. Naval Training Device Center Project No. 1584 - Sup. #1 - Department of Psychology).
Gross Value - \$117,081.00.
- h. Systems Engineering Group, Research and Technology Division, Wright-Patterson Air Force Base, Ohio, for Research on Man-Machine Systems (to be known as Systems Engineering Group, Research and Technology Division Project No. 1612 - Sup. #2 - Department of Psychology).
Gross Value - \$304,400.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Physiologic Factors Affecting Glutamic Dehydrogenase (to be known as National Institutes of Health Project No. 1631 - Ext. #1 - Department of Physiology).
Gross Value - \$8,884.00.
- j. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, for an Investigation of Enzyme Characterization in Hemolytic Anemias (to be known as National Institutes of Health Project No. 1634 - Ext. #1 - Department of Physiological Chemistry).
Gross Value - \$22,010.00.
- k. Department of Health, Education and Welfare, Office of Education, Washington, D. C., for The Development of Packaged Programs Designed to Enable Groups of Teachers to Carry on Their Own In-Service Audio-visual Instructional Programs (to be known as Office of Education Project No. 1683 - Sup. #1 - Bureau of Educational Research and Service).
Gross Value - \$26,498.00.
- l. Department of Health, Education and Welfare, Vocational Rehabilitation Administration, Washington, D. C., for Perception of Altered Acoustic Stimuli by the Deaf (to be known as Vocational Rehabilitation Administration Project No. 1688 - Sup. Award 1/22/64 - Department of Speech).
Gross Value - \$8,161.00.
- m. Department of Defense, Office of Civil Defense, Washington, D. C., for Studies of Organizational Functioning in Disaster (to be known as Office of Civil Defense Project No. 1709 - Mod. #2 - Department of Sociology and Anthropology).
Gross Value - \$99,998.00.
- n. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for General Research Support Program (to be known as National Institutes of Health Project No. 1775 - New - College of Dentistry).
Gross Value - \$44,683.00.
- o. Air Force Office of Scientific Research, Office of Aerospace Research, Washington, D. C., for an Investigation of Reactions of Chlorocarbonium Ions (to be known as Office of Aerospace Research Project No. 1776 - New - Department of Chemistry).
Gross Value - \$33,792.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- p. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Effect of Physical Modalities on Blood Vessels (to be known as National Institutes of Health Project No. 1777 - New - Department of Medicine).
Gross Value - \$20,220.00.
- q. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Time and Training Effects in Compound Conditioning (to be known as National Institutes of Health Project No. 1779 - New - Department of Psychology).
Gross Value - \$24,852.00.
- r. National Science Foundation, Washington, D. C., for A Free Operant Study of Approach-Avoidance Conflict (to be known as National Science Foundation Project No. 1780 - New - Department of Psychology).
Gross Value - \$19,500.00.
- s. Air Force Office of Scientific Research, Office of Aerospace Research, Washington, D. C., for Simulation Studies of Organizational Behavior Under Stress (to be known as Office of Aerospace Research Project No. 1781 - New - Department of Sociology and Anthropology).
Gross Value - \$34,996.00.
- t. National Science Foundation, Washington, D. C. for an Investigation of Immunologic Specificity of Antibodies to Liver Ribosomes and Nuclei (to be known as National Science Foundation Project No. 1782 - New - Department of Microbiology).
Gross Value - \$46,200.00.
- u. National Science Foundation, Washington, D. C., for an Investigation of Acoustical Characteristics of Selected English Consonants (to be known as National Science Foundation Project No. 1783 - New - Department of Slavic Languages and Literatures).
Gross Value - \$1,150.00.
- v. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Changes in Muscle with Nutritional Stress (to be known as National Institutes of Health Project No. 1784 - New - Department of Agricultural Biochemistry).
Gross Value - \$26,900.00.

February 14, 1964 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- w. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for Development of Prescriptive Values During Adolescence (to be known as National Institutes of Health Project No. 1785 - New - Department of Psychology).
Gross Value - \$19,588.00.
- x. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Factors Controlling Testicular Tissue Metabolism (to be known as National Institutes of Health Project No. 1786 - New - Department of Dairy Science).
Gross Value - \$19,624.00.
- y. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Congenital Diaphragmatic Hernia in Fetal Puppies (to be known as National Institutes of Health Project No. 1787 - New - Children's Hospital).
Gross Value - \$15,576.00.
- z. Department of the Navy, Bureau of Naval Weapons, Washington, D. C., for an Investigation of Reactive-Wall Corner Reflectors for 9 mm Microwave Operation (to be known as Bureau of Naval Weapons Project No. 1790 - New - Department of Electrical Engineering).
Gross Value - \$20,000.00.

TOTAL - Government Contracts - Federal \$1,024,799.00

2. Industrial and Other Contracts

- a. Charles Pfizer and Company, Inc., 235 East 42nd Street, New York, New York, for an Investigation of Effects of Terramycin on the Tracheobronchial Tree in Patients with Pulmonary Tuberculosis (to be known as Charles Pfizer and Company, Inc. Project No. 1405 - Ltr. 12/27/63 - Department of Surgery).
Gross Value - \$1,550.00.
- b. The National Foundation, 800 Second Avenue, New York, New York, for Birth Defects Clinical Study Center (to be known as The National Foundation Project No. 1481 - Ltr. 12/19/63 - Children's Hospital).
Gross Value - \$25,000.00.

February 14, 1964 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- c. Health Research, Inc., Roswell Park Division, 666 Elm Street, Buffalo, New York, for Breast Adjuvant Study (to be known as Health Research, Inc. Project No. 1569 - Ck. #21417 - Department of Surgery).
Gross Value - \$1,125.00.
- d. Diehl, Inc., Defiance, Ohio, for an Investigation of Improved Concentrated Milk Products (to be known as Diehl, Inc. Project No. 1788 - New - Department of Dairy Technology).
Gross Value - \$8,000.00.

TOTAL - Industrial and Other Contracts \$35,675.00

The foregoing thirty contracts for research in cooperation with Government, Industry and Other represent a gross income of \$1,060,474.00.

Upon motion of Mr. Ketterer, seconded by Mr. Davis, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were approved by unanimous consent.

B. The Report of the Research Contract
from the Engineering Experiment Station

During the period from January 4, 1964 through January 31, 1964, the Engineering Experiment Station of The Ohio State University entered into the following research contract. This research contract is reported to the Board of Trustees for information and record.

1. Industrial Research Contract

EES 222	Development of Natural Aggregate as a Construction
Ext. #1	Material, The Marble Cliff Quarries Company, 2100
	Tremont Center, Columbus, Ohio.
	Gross Value - \$5,000.00.

C. Amendment to India/Education Project with Agency
for International Development - Contract W/677

The University Grants Commission of India through the Agency for International Development of the United States Department of State has requested The Ohio State University to render assistance in the advancement of teaching mathematics and the sciences in Indian universities. This assistance is to be rendered by twenty professors who will direct sixteen summer institutes and four centers for advanced study on the campuses of outstanding Indian universities during June and July of 1964. The summer institutes and centers for advanced study are to be designed to assist the members of the faculties of Indian universities to become better acquainted with recent advances in their substantive fields and the recent developments in the teaching of these disciplines.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

C. Amendment to India/Education Project with Agency
for International Development - Contract W/677 (continued)

The Dean of the College of Education, after careful appraisal of this request for assistance, has proposed that an Amendment to the existing contract between The Ohio State University and the Agency for International Development (Contract AID/W/677 - India) be negotiated. It is therefore recommended that the President be authorized to sign such an Amendment for and on behalf of the Board of Trustees with the understanding that all costs for this program are to be covered by funds from the Agency for International Development of the United States of America and the University Grants Commission of the Government of India.

Upon motion of Mr. Davis, seconded by Mr. Loop, the President was authorized to sign an Amendment to Contract AID/W/677 - India by unanimous roll call vote.

D. Renewal of Lease with Federal Aviation Agency
for Operation of Aircraft Landing Marker

The Federal Aviation Agency now occupies under lease a tract of University land 70' x 101' and operates thereon an outer marker for the guidance of aircraft landing at Port Columbus. This installation is on the west side of Fyffe Road north of Lane Avenue.

The lease under which the Federal Aviation Agency holds this land was authorized by the Board of Trustees on July 10, 1959. It expires on June 30, 1964, and the Federal Aviation Agency now desires to execute a new one-year lease at \$1.00 per year, effective July 1, 1964 and renewable annually at the option of the Government through June 30, 1969. Neither the location nor the operation of this facility interferes with any University operation.

With the concurrence of the Executive Director for Campus Planning and the President's Cabinet, it is recommended that the President be authorized to sign such lease for this purpose as he deems appropriate and not inimical to the interests of the University.

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the Board of Trustees by unanimous roll call vote authorized the President to sign the aforesaid lease between The Ohio State University and the Federal Aviation Agency.

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IV. GRANTS AND GIFTS

The following grants and gifts to the University are hereby reported for the record and appropriate expressions of appreciation have been conveyed:

February 14, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance

1. \$250,000.00 granted by the National Science Foundation to the University for support of the "Construction of Laboratory Facilities for Basic Research and Research Training in Aeronautical and Astronautical Engineering," under the direction of Dr. G. L. Von Eschen, Department of Aeronautical and Astronautical Engineering. (GU-610)
2. \$9,541.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Effect of Occlusal Patterns on Edentulous Individuals," under the direction of Dr. Julian B. Woelfel, College of Dentistry, for the period April 1, 1964 through March 31, 1965. (Grant DE 00548-08)

TOTAL - Through Office of Business and Finance \$259,541.00

B. Received Through the Development Fund

1. \$12,000.00 from Corn Industries Research Foundation, Inc., Washington, D. C., for research in Chemistry under the direction of Dr. M. L. Wolfrom.
2. \$11,200.00 from John C. Martin, Columbus, Ohio, for the John C. Martin Fund.
3. \$10,639.91 from Midwest Foundation for Research in Education, Columbus, Ohio, for research in the College of Medicine.
4. \$10,117.00 from the Mark L. Morris Animal Foundation, Denver, Colorado, for three research projects in the College of Veterinary Medicine.
5. \$10,000.00 in securities (160 shares Buckeye Union Casualty Company stock) from Mrs. Frederick E. Jones to be credited to the Virginia Kelsey Jones Fund.
6. \$10,000.00 from William Bartlett Calkins, Orlando, Florida, for the William Bartlett Calkins Scholarship Fund.
7. \$9,185.00 from The Charles F. High Foundation, Bucyrus, Ohio, for undergraduate scholarships.
8. \$5,000.00 from Dr. John J. Fahey, Chicago, Illinois, as an unrestricted gift to the College of Medicine.
9. \$5,000.00 from Mrs. Betty L. Niehoff, Columbus, Ohio, to establish the Elsa Will LeVeque, M.D., Memorial Fund. The principal is to be used for hematological research in the College of Medicine.

February 14, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

10. \$4,924.00 from the Grace High Washburn Trust, Bucyrus, Ohio, for undergraduate scholarships.
11. \$3,941.00 from the Trust under the Will of Anna Roessler for scholarships in the College of Medicine.
12. \$3,300.74 from Frank K. Griesinger, Cleveland, Ohio, for the Frank K. Griesinger Scholarship Fund.
13. \$2,500.00 from Herman Frasch Foundation for research in Agricultural Biochemistry.
14. \$2,500.00 from Dr. Victor L. Steffel, Columbus, Ohio, to be added to the Victor L. and Marie M. Steffel Student Loan Fund in the College of Dentistry.
15. \$1,380.00 from Hoffman-LaRoche, Inc., Nutley, New Jersey, for perinatal studies and growth development research in the College of Medicine.
16. \$1,000.00 from Dr. Wendell D. Postle, Columbus, Ohio, for the Wendell D. and Helen R. Postle Dental Student Loan Fund in memory of Wendell D. Postle, Jr.
17. \$1,000.00 from Clarence S. Ohsner to be placed in the University's Unrestricted Endowment Fund.

TOTAL - Through the Development Fund \$103,687.65

C. Gifts-in-Kind

1. A gift of musical scores and other musical material for the School of Music from Louis H. Diercks, Columbus, Ohio. (Appraised at \$1,154.00)
2. A gift of books and pamphlets for the library from George S. Mitchell, Washington, D. C. (Appraised at \$1,231.00)

Upon motion of Mr. Allyn, seconded by Mr. Ketterer, the above report of grants and gifts was accepted by unanimous vote, and the Secretary was instructed to include the report in the minutes of this meeting.

D. Report from The Ohio State University Development Fund

In January, 1964, The Ohio State University Development Fund received gifts on behalf of the University as follows:

February 14, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

D. Report from The Ohio State University Development Fund (continued)

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	549	\$ 39,934.05
Individuals, other than alumni	46	16,117.34
Nonprofit organizations	41	87,013.11
Business concerns	8	35,849.37
	<u>644</u>	<u>\$178,973.87</u>

Of these gifts, 428 for \$4,320.98 were undesignated and 216 for \$174,652.89 were designated for special projects.

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V. APPROPRIATION AND TRANSFER OF FUNDS

A. Appropriation for the Development of a Research Project

At the request of the Vice President for Research, and with the concurrence of the Vice President for Business and Finance and the President's Cabinet, it is recommended that \$6,500.00 be appropriated from the University Treasurer Research Subaccount (a) to the Institute of Nutrition and Food Technology to match funds now available to the Institute for the purchase of a Tri-Carb liquid scintillation counter.

Upon motion of Mr. Davis, seconded by Mr. Loop, the above recommendation for appropriation of funds was approved by unanimous roll call vote.

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VI. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of materials and estimates of cost for the following project be approved by the Board of Trustees:

A. Connection of Cold Water Supply Lines on the West Campus

This project provides an 8" connection line from the main campus system along Stadium Drive to the water line serving Goss Laboratory and Sisson Hall to assure reliable service to this area.

Funds will be provided from Budget Account 12350, Contract Repairs.

Upon motion of Mr. Rairdon, seconded by Mr. Ketterer, the above recommendation was approved by unanimous roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above project for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contract. All action regarding this matter will be reported to the Board of Trustees at a later meeting.

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February 14, 1964 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contracts for the following projects have been recommended for award and the action is hereby reported to the Board:

A. Starling Loving Hall - Window Repairs (West Elevation of M Wing Only)

Bids were received on January 17, 1964 for this project and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(4 bids received)		
Pendleton Construction Co. (Columbus)		
Base Bid	\$ 6,043.00	\$ 7,250.00
Alternate G-1 Screens	420.00	450.00
Total Contract	<u>\$ 6,463.00</u>	<u>\$ 7,700.00</u>

Funds for this project will be provided from Maintenance Account 200, H. B. 711.

B. McPherson Laboratory - Window Repairs

Bids were received on January 17, 1964 for this project and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(4 bids received)		
Waller & Lund, Inc. (Columbus)		
Base Bid	\$18,960.00	\$25,500.00
Alternate G-1 Screens	1,050.00	1,400.00
Total Contract	<u>\$20,010.00</u>	<u>\$26,900.00</u>

Funds for this project will be provided from Maintenance Account 200, H. B. 711.

C. Twelve Inch Well and Pumping Equipment for Elevated Storage Tank

Bids were received on February 5, 1964 for this project and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(3 bids received)		
Dunbar Drilling (Swanton, Ohio)	\$10,250.00	\$11,500.00

Funds for this project will be provided from Department 3115, Budget Account 19945, Water Storage Tank, H. B. 711.

D. Underground Water and Gas Piping for Elevated Storage Tank

Bids were received on February 5, 1964 for this project and the award of contract recommended to the lowest and best bidder as follows:

February 14, 1964 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS (continued)

D. Underground Water and Gas Piping for Elevated Storage Tank (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
(8 bids received)		
Kuempel Company (Columbus, Ohio)	\$10,239.00	\$19,000.00

Funds for this project will be provided from Department 3115, Budget Account 19945, Water Storage Tank, H. B. 711.

Upon motion of Mr. Allyn, seconded by Mr. Loop, the above award of contracts and expenditure of funds were approved and the action of the Vice President, Business and Finance, ratified by unanimous roll call vote.

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VIII. CONTROLLING BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

- 37 Approves the award of contract for "Improvements in Electrical Systems, University Hospital" to the low bidder in the amount of \$296,747.00 and the expenditure of \$300,000.00 for this project.
- 40 Approves the expenditure of \$18,000.00 from Maintenance Account 200, H. B. 711, for the project "College of Dentistry Lobby and Corridor Repairs."
- 41 Approves the expenditure from Hospital Rotary Funds of \$4,700.00 for the project "Replacement of Contagious Wing Incinerator, University Hospital."
- 43 Approves the expenditure of \$11,000.00 from Hospital Rotary Funds for the project "Repairs to Room 154 Health Center Laboratory."
- 44 Releases \$95,000.00 in planning funds for the facility "Materials Engineering and Science Building."
- 45 Releases \$32,340.00 in planning funds for the facility "Dentistry Laboratories."
- 47 Releases \$122,360.00 in planning funds for the facility "Engineering Classrooms and Labs."
- 48 Releases \$30,000.00 in planning funds for the project "Aerodynamics and Missile Propulsion Laboratory."
- 49 Releases \$47,740.00 in planning funds for the facility "Chemistry Research Facilities."
- 52 Releases \$112,560.00 in planning funds for the facility "Pharmacy Building."

February 14, 1964 meeting, Board of Trustees

VIII. CONTROLLING BOARD APPROVALS (continued)

- 53 Approves the transfer of \$317,500.00 to a new item "Modernization of Orton Hall and Mendenhall Laboratory" from "Modernization of Engineering and Physical Science Facilities" and releases \$15,610.00 in planning funds for this facility.
- 55 Approves the transfer of \$296,700.00 from "Modernization of Commerce and Administration Buildings and Walks and Roads" to a new account "Modernization of Commerce and Administration Buildings" and release \$17,570.00 for planning funds.
- 57 Approves the transfer of \$379,000.00 from "Modernization of Engineering and Physical Science Facilities" to a new account "Remodel Highway Testing Laboratory" and releases this amount for the project.
- 58 Releases \$464,000.00 for the purchase of Urban Renewal Land.
- 59 Approves the transfer of \$464,000.00 from Urban Renewal Land to Maintenance Account 200 (returns funds used for interim funding).
- 61 Releases \$1,000,000.00 for the acquisition of land for the College of Medicine.
- 62 Releases \$147,260.00 in planning funds for the Dayton Branch.

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IX. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Purchase of Buildings and Property, 357 West 10th Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Katherine G. Feinknopf at a price of \$24,000.00:

Property known as 357 West 10th Avenue, being Lot #32, Elizabeth King's Olentangy Subdivision, City of Columbus, County of Franklin, State of Ohio.

Funds are available in Item 015, College of Medicine Land, Amended S. B. 370.

Upon motion of Mr. Ketterer, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

B. Purchase of Buildings and Property, 406 West Ninth Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Richard Huggard and Horace W. Jones, Trustees, at a price of \$16,000.00:

IX. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

B. Purchase of Buildings and Property, 406 West Ninth Avenue (continued)

Property known as 406 West Ninth Avenue, being Lot #18, Elizabeth King's Olentangy Subdivision, City of Columbus, County of Franklin, State of Ohio.

Funds are available in Item 015, College of Medicine Land, Amended S. B. 370.

Upon motion of Mr. Ketterer, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

C. Purchase of Buildings and Property, 401 West Tenth Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Warren A. Smith, Executor of the Estate of Minnie E. White, deceased, at a price of \$18,000.00:

Property known as 401 West Tenth Avenue, being Lot #40, Elizabeth King's Olentangy Subdivision, City of Columbus, County of Franklin, State of Ohio.

Funds are available in Item 015, College of Medicine Land, Amended S. B. 370.

Upon motion of Mr. Ketterer, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

D. Special Policeman Commission

At the request of the Vice President, Business and Finance, it is recommended that Harry LaVerne Wiley, Jr., be designated as Special Policeman pursuant to the provisions of Section 3345.04 of the Revised Code of Ohio; and that in further compliance with the provisions of said section the Board of Trustees require Mr. Wiley, as well as any other employee of this institution designated as Special Policeman, to take the oath of office and give bond to the State of Ohio in an amount no less than One Thousand Dollars (\$1,000.00) prior to assuming the duties of Special Policeman.

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

E. Purchase of Buildings and Property, 112-114-116 West Frambes Avenue and 2125-27-29-31-33 Peasley Street

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Mary C. Burns at a price of \$52,000.00:

IX. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

E. Purchase of Buildings and Property, 112-114-116 West Frambes Avenue and 2125-27-29-31-33 Peasley Street (continued)

Property known as 112-114-116 West Frambes Avenue and 2125-27-29-31-33 Peasley Street, being Lot 169, R. P. Woodruff's Agricultural College Addition, City of Columbus, County of Franklin, State of Ohio.

Purchase will be consummated as soon as funds are available from Amended S. B. 370 or other sources designated by the Department of Finance.

Upon motion of Mr. Davis, seconded by Mr. Ketterer, the above recommendation was unanimously approved by roll call vote.

F. Employment of Architects

It is recommended that the following architectural firms be employed to provide complete architectural services for the projects indicated including preliminary plans, basic drawings, working drawings, specifications, estimates of cost and necessary bidding documents.

Dan A. Carmichael, Architect (Heapy and Associates, Engineers)	Dentistry Laboratories
Schooley, Cornelius & Schooley, Architects (W. E. Monks, Engineer; Bolt, Beranek & Newman, Acoustics)	Engineering Classrooms and Laboratories Building
Wright, Gilfillen & Keske, Architects (Metzger and Blackburn, Engineers)	Aerodynamics & Missile Propulsion Laboratory
Benham, Richards & Armstrong, Architects (Byers, Urban, Klug & Pittenger, Engineers)	Chemistry Research Facilities
Potter, Tyler, Martin & Roth, Architects (Fosdick & Hilmer, Engineers)	Pharmacy Building
Tully and Hobbs, Architects (Ralph J. Kramer, Comer & Passe, Engineers)	Physics and Astronomy Building
Kellam and Foley, Architects (Heapy and Associates, Engineers)	Electronics Laboratory
Croce and Abbot, Architects (W. E. Monks, Engineer)	Systems Engineering

IX. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

F. Employment of Architects (continued)

Louis F. Karlsberger, Architect (Heapy and Associates, Engineers)	College of Medicine
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Dan A. Carmichael, Architect (Fosdick and Hilmer, Engineers)	Veterinary Clinic
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The employment of these architects is subject to the approval of the Director of Public Works, State of Ohio, and the release of funds by the State Controlling Board. The fees for their services will be calculated on the standard fee basis as established by the Director of Public Works.

Funds will be provided from accounts established in Amended S. B. 370 for each project.

Upon motion of Mr. Allyn, seconded by Mr. Ketterer, the above recommendation was approved by unanimous roll call vote.

G. Employment of Architect--Miami University - The Ohio State University Dayton Campus, Engineering and Science Building

After consultation with the officials of Miami University, it is recommended that Lorenz and Williams, Architects, Dayton, Ohio, (and Heapy & Associates, Engineers) be employed to provide complete architectural services for this project including preliminary plans, basic drawings, working drawings, specifications, estimate of cost and necessary bidding documents.

The fee for this service will be calculated at the standard fee as established by the Director of Public Works and the appointment of this firm is subject to the approval of the Director of Public Works, State of Ohio. Funds will be provided from the account established in Amended S. B. 370 for this project.

Upon motion of Mr. Allyn, seconded by Mr. Rairdon, the above recommendation was approved by unanimous roll call vote.

H. Employment of Management Consultants - Data Processing Feasibility Study

It is recommended that at the request of the Vice President for Research, and with the concurrence of the Vice President, Business and Finance, Booz, Allen & Hamilton, Inc., Management Consultants, be employed to conduct a Data Processing Feasibility Study for the purpose of developing a general plan for immediate action as well as future action to bring together (through organizational centralization, various degrees of physical centralization, and other forms of centralization) the variety of scientific data processing functions, instructional functions, business functions, registrar functions, hospital functions, and other specialized data processing functions.

IX. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

H. Employment of Management Consultants - Data Processing Feasibility Study (continued)

The fee for this service is not to exceed \$30,000.00 and funds will be provided from Budget Account 19956 Data Processing Feasibility Study.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendation was approved by unanimous roll call vote, subject to the reservation that the above named firm is not employed by any specific manufacturer of data processing equipment.

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X. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the deaths of Robert Meiklejohn, Professor Emeritus of Engineering Drawing, and Alfred James Wright, Professor of Geography, and in accordance with instructions of the Board of Trustees, copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board have been furnished to the families of the deceased.

A. Robert Meiklejohn

The Board of Trustees expresses its sorrow at the death on January 20, 1964, of Robert Meiklejohn, Professor Emeritus of Engineering Drawing.

Professor Meiklejohn was born in Chillicothe, Ohio, on December 14, 1881, and was graduated from The Ohio State University in 1904 with the degree Mechanical Engineer.

Professor Meiklejohn spent the first year following his graduation on a special assignment for the Illinois Steel Company in Chicago before returning to Ohio State as an Instructor in Engineering Drawing. He was advanced to an Assistant Professor in 1908 and to Professor in 1920. He served as Secretary of the College of Engineering from 1921 to 1930. From 1942 to 1944 he was Acting Chairman of the Department.

Professor Meiklejohn (known as "Uncle Bob") was loved and respected by thousands of students and faculty, who admired his unusual ability as a teacher and his exceptional skill in lettering and illuminations. From the time he returned to his Alma Mater in 1905 until the autumn quarter of 1963 he assisted in preparing the diplomas for the University. These diplomas were hand lettered until 1942 and since that time have been printed. Even though he was retired in 1952 after 47 years of active teaching, he continued to serve the University by helping the Department of Engineering Drawing with about two hours or more of work each day--almost 60 years of continuous service.

Professor Meiklejohn was the author of "Step-by-Step Solutions of Descriptive Geometry Problems" and was co-author with the late Thomas E. French of a volume on Essentials of Lettering, as well as a heavy contributor to the first edition of Engineering Drawing.

X. RESOLUTIONS IN MEMORIAM (continued)

A. Robert Meiklejohn (continued)

As a student he was treasurer of the senior class and a member of the Sigma Chi Fraternity, by which he was awarded a 50-year certificate in 1955. He also held memberships in Triangle and Texnikoi, engineering fraternities. He was an honorary member of the Student Senate for a number of years and was faculty representative on the campus "Boost Ohio" committee, now known as Ohio Staters Incorporated.

Professor Meiklejohn was the 25th person to be recognized by the Board of Trustees by being presented with the "Distinguished Service Award" for outstanding service rendered the University.

The University was his life. He loved the association with his many friends on the faculty where daily at the noon hour at the Faculty Club they enjoyed his friendly greetings, his keen sense of humor, his fine contributions in University background, and his unusually grand philosophy of life.

This campus has lost a truly great person--whose loyalty and devotion to his Department, to his College, and to his University have rarely been equalled. His students, colleagues, and friends rank Professor Robert Meiklejohn among those who have left an indelible impression on the University community.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

B. Alfred James Wright

The Board of Trustees expresses its sorrow at the death on January 14, 1964, of Alfred James Wright, Professor of Geography.

Professor Wright was born in Middletown, Ohio, on May 10, 1897. He received the A.B. degree from the University of Michigan in 1922, the A.M. degree from the University of Pennsylvania in 1925, and the Ph.D. degree from the University of Michigan in 1934.

Professor Wright joined the faculty of The Ohio State University in 1928 as an Instructor after having taught at George School in eastern Pennsylvania and at the University of Pennsylvania. He attained the rank of Professor in 1948. At various times, he had served as Visiting Professor at Miami University and the University of Nebraska.

Professor Wright was a member of the Association of American Geographers and the Ohio Academy of Science. His sincere interest in and enthusiasm for the students of this University were reflected in his active participation and membership in such groups as Bucket and Dipper, Civitas, Sphinx, Ohio Staters Inc., and the Ohio Union Council. He served as an active advisor to several of these groups. In addition, he was a faithful member of Beta Gamma Sigma, the Commerce College honorary.

X. RESOLUTIONS IN MEMORIAM (continued)

B. Alfred James Wright (continued)

In his 35 years of service to this University, Professor Wright provided stimulation to students of all ages. He was a dynamic and successful classroom teacher whether involved with a group of freshmen in an introductory course or with a seminar of graduate students examining a particular facet of his field. His teaching was distinguished by sound principles not only of geography but of morality; by a devotion not only to the subject matter of a course but to the individual students who were participants with him in examining the geographic concept; and by an appreciation for scholarship and creative research.

His interest in the broad field of economic geography was translated into numerous studies involving aspects of industrial location as well as the geography of Ohio and the Nation. Three Development Fund grants aided his research and that of his students in the study of industrial location in Ohio.

Within the University community, Professor Wright gave generously of his time and talent. He was a devoted servant to this University and felt privileged to be a part of its life. Everyone who knew Alfred James Wright, whether within the University circle or those with whom he came into daily contact off campus, feels the deep loss of such a vital man.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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XI. REPORTS

A. Report on the Investment Portfolio

The report on the University's Investment Portfolio dated January 31, 1964 was presented to the Board of Trustees. The Secretary was instructed to file a copy of the report with the official records of the Board of Trustees.

B. Report on Highlights of University Activities

In concluding the meeting, President Fawcett reviewed some of the highlights of the University activities during the past month. The report, which is filed with the official records of the Secretary, included data on the number of Ph.D. degrees awarded since the early 1920's. The Ohio State University has climbed from fifteenth place to eighth among the nation's colleges and universities in the production of all doctoral degrees. The survey conducted by the National Research Council of the National Academy of Sciences revealed that from 1920-1961, Ohio State was fourth in the number of doctorates granted in the field of psychology and fifth in doctorates conferred in education. The President also called attention to the fact that Antenna Laboratory engineers have expressed satisfaction with initial operation of

February 14, 1964 meeting, Board of Trustees

XI. REPORTS (continued)

B. Report on Highlights of University Activities (continued)

the University's unique communication antenna system in receiving radio signals relayed from the new Echo II satellite. Initial development of the liquid hydrogen-liquid oxygen fuel which powered the second stage of the Saturn rocket in its first successful flight January 29 was conducted in Ohio State laboratories.

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Thereupon the Board adjourned to meet Friday, April 17, 1964, at The Ohio State University, Columbus, Ohio, at ten o'clock.

Attest:

John T. Mount
Secretary

Thomas F. Patton
Chairman

APPENDIX VI

Degrees Conferred at
THE OHIO STATE UNIVERSITY COMMENCEMENT
March 19, 1964

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GRADUATE SCHOOL

Dean: RICHARD ARMITAGE

Doctor of Philosophy

David George Adams, S.M. (University of Chicago) Mansfield
*Dissertation: Nuclear Magnetic Resonance Studies of Some Grignard
Reagents and Organolithium Compounds*
Field of Specialization: Chemistry

Thomas Leroy Alley, B.S.M.E. (Kansas State University); M.Sc.
Winfield, Kans.
*Dissertation: The Establishment of a Procedure for Selecting a Favor-
able Method of Determining Natural Frequencies and
Natural Modes of Vibration of Multi-Degree-of-Freedom
Mechanical Systems, the Motions of Which Can Be De-
scribed by Linear Differential Equations*
Field of Specialization: Mechanical Engineering

Schell Hilton Bodenhamer, B.S. in Agr., M.S. (University of Missouri)
Columbia, Mo.
*Dissertation: The Effects of Presenting Informative Speeches with and
without the Use of Visual Aids to Voluntary Adult Audi-
ences*
Field of Specialization: Agricultural Education

Frank Harlen Brown, B.Sc. in Edu., M.A. Bedford
*Dissertation: Functional Interrelationships as Perceived by Supervisors
and Administrators in Various Positions in Selected
Northeastern Ohio School Systems*
Field of Specialization: Education

Joseph David Brown, B.Sc. in Agr., M.Sc. Grove City
*Dissertation: An Analysis of Factors Affecting Week-to-Week Vari-
ations in Retail Margins for Selected Produce Items*
Field of Specialization: Agricultural Economics and Rural Sociology

Peter Kong-Liang Cheo, B.S. (Aurora College, Illinois); M.S. (Virginia
Polytechnic Institute) Rockaway, N. J.
*Dissertation: The Measurement of Absolute Rotation through the
Interference Effect for Photons*
Field of Specialization: Physics

James Robert Collier, B.S. (Rensselaer Polytechnic Institute); M.Sc.
Youngstown
*Dissertation: Determination of the Parameters Governing Electromag-
netic Wave Propagation in a Moving Plasma*
Field of Specialization: Physics

Ralph Theodore Compton, Jr., S.B. in E.E. (Massachusetts Institute of
Technology); M.Sc. Bethesda, Md.
*Dissertation: The Admittance of Aperture Antennas Radiating into
Lossy Media*
Field of Specialization: Electrical Engineering

David M. Cook, B.A., B.Sc. in Edu., M.A. Mansfield
Dissertation: Teaching the Short Story in the Secondary School
Field of Specialization: Education

Howard Hayes Crouch, B.Sc. in Agr.; M.S. in Ed. (Westminster College)
Lockwood
*Dissertation: Criteria for the Construction of Community Junior Col-
lege Curricula*
Field of Specialization: Education

- Purnendu Datta, B.Sc., M.Sc. (University of Dacca) ; M.Sc.
Calcutta, West Bengal, India
Dissertation: A Study of Macroglobulins
Field of Specialization: Physiological Chemistry
- Stanley Eugene Dewey, A.B. (Indiana University) ; M.A. (Kent State
University) Columbus
*Dissertation: The Ohio Township as a Local Government Unit: A
Study in Obsolescence and Adaptation*
Field of Specialization: Political Science
- Jess Boyd Eskridge, B.S., M.Opt. (University of California, Berkeley) ;
M.Sc. Worthington
*Dissertation: Investigation of the Horopter and the Apparent Frontal
Plane*
Field of Specialization: Optometry (Physiological Optics)
- Michael William Fabian, B.S. (Grove City College) ; M.S. (Michigan
State University) New Wilmington, Pa.
*Dissertation: A Quantitative Study of the Predation of Fresh Water
and Tropical Fish Fry by Cyclopoid Copepods*
Field of Specialization: Zoology
- Jeanne Delpierre Frankart, A.B. (Western College for Women) ;
M.Ed. (Miami University) Springfield
*Dissertation: Grammaticalness: Its Psychological Dimension and Re-
lation to Habit*
Field of Specialization: Psychology
- Sanjib Kumar Ghosh, B.Sc. (Hons.) (University of Calcutta)
Calcutta, India
Dissertation: Investigation into the Problems of Relative Orientation
Field of Specialization: Geodetic Science
- Robert Hayes Giles, Jr., B.S., M.S. (Virginia Polytechnic Institute)
Covington, Va.
*Dissertation: The Ecology of a Small Forested Watershed Treated
with the Insecticide Malathion-S³⁵*
Field of Specialization: Zoology
- Robert DeVere Glasgow, B.Sc. in Edu., M.A. Columbus
*Dissertation: The Values of American Public School Teachers: A
Trend Study, 1932-1962*
Field of Specialization: Education
- Vernon Chadwick Hall, B.Sc. in Educ. (University of Nebraska) ; M.A.
Lincoln, Nebr.
*Dissertation: The Identification and Evaluation of Teachers with
Varying Levels of Teaching Success*
Field of Specialization: Psychology
- Reginald James Harrison, B.Sc. (in Econ.) (University College of the
South West of England) ; B.A. (Depauw University)
Loughton, Essex, England
*Dissertation: Organisation and Procedure in the New Zealand
Parliament*
Field of Specialization: Political Science
- Glenn Wilson Hatfield, Jr., B.A., M.A. Seattle, Wash.
Dissertation: Fielding's Irony and the Corruption of Language
Field of Specialization: English

- Rudolph William Hirzel, B.S., M.S. (Michigan State University)... Toledo
Dissertation: The Effect of Commercial Processing Unit Operations on the Removal of Fallout from Green Beans (Phaseolus vulgaris)
Field of Specialization: Horticulture
- Nancy Anna Hoddick, B.S. (Boston University); M.A. (Cornell University)Hamburg, N. Y.
Dissertation: Personality Correlates and Degree of Satisfaction with Undergraduate Field of Specialization
Field of Specialization: Psychology
- William George Huber, A.B. (City College, New York); M.A. (University of Delaware)Circleville
Dissertation: The Relationship of Anxiety and of Adjustment to the Academic Performance of Institutionalized Retardates
Field of Specialization: Education
- Wayne Sanford Kaufman, B.Sc. in Edu., M.A.....Cuyahoga Falls
Dissertation: The Effect of Football Equipment on Core Temperature, Heart Rate, Oxygen Uptake and Pulmonary Ventilation of Athletes during Exercise
Field of Specialization: Physical Education
- Karl Wilfred Kepner, B.Sc. in Dairy Tech., M.B.A.....Hartford
Dissertation: Product Differentiation in the Fluid Milk Industry
Field of Specialization: Agricultural Economics and Rural Sociology
- John Alfred Kirker, B.S. in Ed. (Capital University); M.A.....Columbus
Dissertation: A Proposed Plan for Pre-College Guidance in Secondary Schools
Field of Specialization: Education
- Peter Endre Korda.....Columbus
Dissertation: Critical Evaluation of the Theory of Shallow Shells and Application of Digital Computers to Mixed Boundary Value Problems of Shells
Field of Specialization: Engineering Mechanics
- Helen Florence Kriegsman, B.S. in Ed., M.S. (Kansas State Teachers College of Pittsburg).....Pittsburg, Kans.
Dissertation: Proposal for Integrating the Concepts of Plane and Solid Geometry Based on Student Thinking about the Concept of Dimension
Field of Specialization: Education
- Edward Bertil Lundquist, B.S. (University of Miami).....Columbus
Dissertation: The Application of Thermal Infrared Radiation as a Heat Source in the Freeze-drying of Liquid Food Materials
Field of Specialization: Horticulture
- Lyle Lee Marsh, Jr., B.S. in Met.Eng. (Case Institute of Technology); M.Sc.Columbus
Dissertation: The Recrystallization and F.C.C. \rightleftharpoons H.C.P. Transformation in Cobalt-Iron Alloys by Transmission Electron Microscopy
Field of Specialization: Metallurgical Engineering
- Jaswant Raj Mathur, B.Sc. (University of Rajputana); M.Sc. Jodhpur, Rajasthan, India
Dissertation: Effect of Row Spacing, Uncropped Border Area, and Adjacent Varieties on Yields of Winter Wheat
Field of Specialization: Agronomy

- Floyd Guy McCormick, Jr., B.S., M.E. (Colorado State University)
Center, Colo.
*Dissertation: The Development of an Instrument for Measuring the
Understanding of Profit-maximizing Principles*
Field of Specialization: Agricultural Education
- Hans Joachim Mürbe.....Shelburne, Vt.
*Dissertation: The American Image of Germany Set Forth in Nine-
teenth-Century Travel Books*
Field of Specialization: English
- Philip William Murdick, D.V.M., M.Sc.....Columbus
Dissertation: The Electrical Activity of the Pregnant Sheep's Uterus
Field of Specialization: Veterinary Physiology
- Harry Stewart Nielsen, Jr., B.S., M.S. (Brigham Young University)
Ferron, Utah
*Dissertation: Virulence-Lipid-Dimorphism Relationships in Histoplasma
capsulatum*
Field of Specialization: Botany and Plant Pathology
- Henry Sylvester Paulin, B.S. in Educ. (Kent State University); M.A. Kent
*Dissertation: Ceramic Manufacturing Industry: Implications for Indus-
trial Arts Curriculum Development*
Field of Specialization: Education
- William Thomas Persick, B.Sc. in Edu. (University of Nebraska); M.A.
Grand Forks, N. Dak.
Dissertation: Three Concepts of Pottery
Field of Specialization: Art
- Hwang Wen Pu, B.Sc. (Taiwan Normal University); M.A.
Taipei, Taiwan, China
Dissertation: A Set-valued Integral
Field of Specialization: Mathematics
- Fentress Rhodes, Jr., B.S. in I.M. (Georgia Institute of Technology); M.S.
(George Washington University).....Jackson, Miss.
*Dissertation: Prediction of Target Difficulty from Psychophysical Judg-
ments of Image Characteristics*
Field of Specialization: Psychology
- John Merle Rife, Jr., B.A. (Muskingum College); M.A.....New Concord
Dissertation: The Political Career of Louis Barthou, 1889-1913
Field of Specialization: History
- Herbert Melvin Rosenberg, A.B. (Brooklyn College).....Dayton
*Dissertation: Molecular Orbital Correlations of the Acidity of Phenols
in the Ground and Excited States*
Field of Specialization: Chemistry
- Melvin Howard Rudov, B.S., M.S. (University of Pittsburgh).....Dayton
*Dissertation: An Analysis of Error Factors in a Human Information
Processing Task*
Field of Specialization: Psychology
- Roman Bronislaw Rutkowski, B.S. (Rutgers University); A.M.
(Columbia University).....Garfield Heights
Dissertation: The Assay of the Human Fibrinolytic System
Field of Specialization: Physiological Chemistry
- Robert Bruce Schweikart, A.B. (Wittenberg University); M.A.....Alliance
Dissertation: Radio-Telephone Network Programs in Medical Education
Field of Specialization: Speech

- Krishan Kanta Sharma, B.Sc. (University of Calcutta); M.Sc.
(Agra University).....Meerut, U.P., India
*Dissertation: The Role of Translocation of Water in the Upward
Translocation of Mineral Ions*
Field of Specialization: Botany and Plant Pathology
- Henry John Sredl, B.S., M.A. (New York University)
Upper Montclair, N. J.
Dissertation: A History of Industrial Arts from 1920 to 1964
Field of Specialization: Education
- Jane Frances Taylor, A.B. (University of Cincinnati); M.Sc.....Columbus
*Dissertation: The Effect of the Rh Blood Type of the Maternal Grand-
mother on the Occurrence of Erythroblastosis Fetalis in
the Grandchild*
Field of Specialization: Pathology
- N. Venkateswaran, B.Sc. (University of Madras); M.Sc. (University
of Saugor).....Bangalore, Mysore, India
*Dissertation: The Syntheses of 4'-Chloro and 4'-Bromo-10-Methyl-1,2-
Benzanthracenes*
Field of Specialization: Chemistry
- Lewis Walker, B.A. (Wilberforce University); M.A.....Fairfield, Ala.
*Dissertation: Matricentricity and Delinquency: A Study of the Re-
lation of Female-based Households to Delinquency and
Non-Delinquency among Negro and White Boys*
Field of Specialization: Sociology
- Harold Eugene Ward, B.A., M.A. (Marshall University)
Huntington, W. V.a
*Dissertation: Special Institute Science Courses in Academic Year
Institutes, 1962-1963*
Field of Specialization: Education
- Emily Davis Weed, B.Sc.....Huntsville, Ala.
*Dissertation: A Study of the Palladium II-Chloride Complexes in Aque-
ous Solution*
Field of Specialization: Chemistry
- Robert James Wherry, Jr., B.A., M.A.....Columbus
*Dissertation: Toward an Optimal Method of Equating Subgroups
Composed of Different Subjects*
Field of Specialization: Psychology

(Fifty-three candidates)

Master of Arts

- Katharine Neff Abbott, A.B. (Indiana University)....La Grange Park, Ill.
Field of Specialization: Journalism
- Richard Mathias Alzner, B.A., B.Sc. in Edu.....Columbus
Field of Specialization: Education
- Donna Browder Brown, B.Sc. in Edu.....Columbus
Field of Specialization: Education
- Evan Burr Bukey, B.A. (Ohio Wesleyan University).....Cincinnati
Field of Specialization: History
- Norman Joseph Cellini, B.Sc. in Edu.....Crestline
Field of Specialization: History
- Leslie Leroy Chesnut, B.Sc. in Edu.....Galloway
Field of Specialization: Education

- William Robert Cleland, B.A.....Cuyahoga Falls
Field of Specialization: History
- Wilma Olney Compton, B.A.....Columbus
Field of Specialization: English
- Donald Stephen Elder, B.A. (Kalamazoo College).....Niles, Mich.
Field of Specialization: German.....
- Iris Maybruck Epstein, B.Sc. in Edu.....Springfield
Field of Specialization: Education
- Marjorie Henderson Feitis, B.A. (University of Washington)
 Glendale, Calif.
Field of Specialization: Political Science
- Donald Lee Fjellin, B.A. (University of Omaha).....Omaha, Nebr.
Field of Specialization: Psychology
- Kristine Ottesen Garrigan, A.B. (Denison University) ..Charleston, W. Va.
Field of Specialization: English
- William George Haas, B.A.....Cleveland
Field of Specialization: Slavic Languages
- Robert Eugene Heet, A.B. (University of Dayton) ; B.Sc. in Edu..Columbus
Field of Specialization: Education
- John Alexander Heinz, B.A. (University of Washington)
 San Luis Obispo, Calif.
Field of Specialization: Education
- Theodore Lee Jahn, Mus.B. (Oberlin College)Spokane, Wash.
Field of Specialization: Music
- Joan Lee Kelly, B.A. (Inter-American University of Puerto Rico)
 New Orleans, La.
Field of Specialization: English
- Duane Henry Lipe, A.B. (Nebraska Wesleyan University) ...Lincoln, Nebr.
Field of Specialization: Psychology
- Paul Vernon Lorton, Jr., A.B. (University of California, Los Angeles)
 Atherton, Calif.
Field of Specialization: Psychology
- John Godfrey Mauritz, B.S. (Wisconsin State College, Oshkosh)
 Oshkosh, Wis.
Field of Specialization: Education
- Franklin Miller, A.B. (Oberlin College)Gambier
Field of Specialization: Art
- Deborah Hubbard Nelson, B.S. in Ed. (Wittenberg University) ..Columbus
Field of Specialization: Romance Languages (French)
- Helen Mary Nespor, B.A. (University of Melbourne, Australia) ..Cleveland
Field of Specialization: Slavic Languages
- Thomas Molloy Pogue, A.B. in Ed. (University of Kentucky)....Columbus
Field of Specialization: Physical Education (Health Education)
- Barry Warren Poulson, B.A. (Ohio Wesleyan University)Columbus
Field of Specialization: Economics
- Kathleen Marie Rolfe, B.Sc. in Soc.Adm.....Columbus
Field of Specialization: Sociology

- Paul Leroy Sarchet, B.A. (Muskingum College)Circleville
Field of Specialization: Education
- Renee Schnider Sattin, B.Sc. in Edu.....Cleveland
Field of Specialization: Psychology
- Austin Emery Showman, B.A. (Fenn College)Hilliard
Field of Specialization: Journalism
- Gordon Robert Thomas, B.A. (University of Washington)
 Sacramento, Calif.
Field of Specialization: Slavic Languages
- Marilyn Lange Vogt, A.B. (Wayne State University)Columbus
Field of Specialization: English
- Val Sweyn Vore, B.Sc. in Edu.....Columbus
Field of Specialization: Music
- Hal Huntington Wyss, B.A. (Wesleyan University, Connecticut) ..Delaware
Field of Specialization: English
- Georgette Marie Zirbes, B.A. (DePauw University) ...Redwood City, Calif.
Field of Specialization: Art
- Virginia Barrett Zollinger, B.S. in Edu. (Capital University)Columbus
Field of Specialization: Education

(Thirty-six candidates)

Master of Business Administration

- John George Ignarski, A.B. in Ed. (University of Kentucky)
 South Milwaukee, Wis.
Field of Specialization: Business Organization
- William Henry Matthews, B.B.A. (Saint Mary's University of
 San Antonio)Fairborn
Field of Specialization: Business Organization
- Edward Alfred Moats, B.Sc. in Bus.Adm.....Chillicothe
Field of Specialization: Business Organization
- Russell Dale Morris, B.Sc. in Bus.Adm.....Canal Winchester
Field of Specialization: Business Organization
- Mohamed Adnan Najjar, B.A. (Damascus University)Hama, Syria
Field of Specialization: Business Organization
- George John Patson, B.A. (New Jersey State Teachers College
 at Montclair)Wayne, N. J.
Field of Specialization: Business Organization

(Six candidates)

Master of Education

- Carl Althausen Boehm, B.Sc. in Agr.....Barnesville
Field of Specialization: Agricultural Education
- John Edward James, A.B. (Glennville State College, West Virginia)
 Columbus
Field of Specialization: Education
- Richard Clinton McNutt, B.Sc. in Agr.....Dunkirk
Field of Specialization: Agricultural Education

(Three candidates)

Master of Medical Science

- Andrew Walter Botschner, B.S., M.D. (Western Reserve University)
Columbus
Field of Specialization: Obstetrics and Gynecology
- Joel Gordon Wachtel, A.B. (Western Reserve University); M.D...Cleveland
Field of Specialization: Ophthalmology
- Robert Lee Westerheide, B.S. (University of Dayton); M.D.
(Saint Louis University).....New Bremen
Field of Specialization: Surgery
(Three candidates)

Master of Science

- Abdulmuniem Husein Abdallah, B.S. (American University of Cairo); B.S.
(Pharm) (University of Kentucky).....Ramallah, Jordan
Field of Specialization: Pharmacy
- Leo Gelvosa Agustin, B.S. in Ag. (University of the Philippines)
Hinigaran, Negros Occidental, Philippines
Field of Specialization: Agronomy
- Don L. Baker, B.M.E. (General Motors Institute).....Elyria
Field of Specialization: Engineering Mechanics
- David Allen Bankes, B.S. Ag. (University of Delaware) ...New Castle, Del.
Field of Specialization: Horticulture
- Gary Lee Beeler, B.Ch.E.....Lima
Field of Specialization: Chemical Engineering
- Duane Marshall Benton, A.B. (Ashland College).....Savannah
Field of Specialization: Chemistry
- Roland Melvin Bertka, B.A. (Taylor University); B.S.E.E. (Purdue
University)Marion
Field of Specialization: Electrical Engineering
- Jane Pycraft Bibler, A.B. (Miami University).....Lorain
Field of Specialization: Chemistry
- Joseph Leon Block, A.B. (Colgate University)New Hyde Park, N. Y.
Field of Specialization: Physics
- Carl Robert Blue, B.Sc. in Agr.....Ravenna
Field of Specialization: Agricultural Economics and Rural Sociology
- James Vermilya Boyer, D.D.S.....Norwalk
Field of Specialization: Dentistry
- James Eugene Bradley, B.S. (Muskingum College).....Columbus
Field of Specialization: Geology
- Donald Gray Chafin, B.S. (Virginia Polytechnic Institute)Riner, Va.
Field of Specialization: Agricultural Economics and Rural Sociology
- Herbert Denison Chamberlain, Jr., B.Sc. in Agr.....Jackson
Field of Specialization: Agricultural Education
- Jerry Earl Chess, D.D.S.....Warren
Field of Specialization: Dentistry
- Thomas Edmund Christie, D.D.S. (University of Pennsylvania)
Westport, Conn.
Field of Specialization: Dentistry

- Gordon David Clark, B.Sc. in Rest.Mgt.....Lima
Field of Specialization: Horticulture
- Thomas David Cooper, Met.Engr. (University of Cincinnati) Vandalia
Field of Specialization: Metallurgical Engineering
- William Campbell Corder, B.Ch.E.....North Kenova
Field of Specialization: Chemical Engineering
- Luis Carlos Cortes.....Caracas, Venezuela
Field of Specialization: Chemistry
- Dante Anthony DeAngelo, A.B. (Ohio University); D.D.S....Youngstown
Field of Specialization: Dentistry
- Robert William DeShields, D.D.S.....Shaker Heights
Field of Specialization: Dentistry
- Terry Lee Devine, B.S. (Central Michigan University)Van Wert
Field of Specialization: Zoology
- Dale Thomas Duff, B.Sc. in Agr.....Columbus
Field of Specialization: Agronomy
- Robert Irvin Emmert, B.S.E.E. (University of Arkansas)Columbus
Field of Specialization: Electrical Engineering
- Herbert Irwin Fleischer, B.S. (Brooklyn College)Brooklyn, N. Y.
Field of Specialization: Mathematics
- Myron William Gallogly, B.M.E.....Mt. Vernon
Field of Specialization: Mechanical Engineering
- Melvin Morris Goldberg, B.S. in Met.E. (University of Pennsylvania)
Allentown, Pa.
Field of Specialization: Metallurgical Engineering
- Kenneth George Gould, Jr., B.A., M.D. (Duke University)Tampa, Fla.
Field of Specialization: Physiology
- Myron Floyd Greene, B.I.E.....Bellaire
Field of Specialization: Industrial Engineering
- John Amos Grove, B.Sc. in Agr.....North Jackson
Field of Specialization: Animal Science
- Pensri Guptavani, B.S. (Chulalongkorn University); M.D. (University
of Medical Sciences)Bangkok, Thailand
Field of Specialization: Zoology and Entomology
- Richard Allen Hahn, B.Sc. in Phar.....Columbus
Field of Specialization: Pharmacy
- Diane Hoof Hanson, B.A. (Blackburn College)Columbus
Field of Specialization: Anatomy
- Robert Edwin Hastings, B.Sc. in Agr.....Wooster
Field of Specialization: Agronomy
- Martin Thomson Hetherington, B.S. in Ed. (Miami University) ..Avon Lake
Field of Specialization: Zoology
- Peter Felix Hille, B.E.E.....Columbus
Field of Specialization: Electrical Engineering
- Benjamin Horne, B.S.E. (Princeton University)Columbus
Field of Specialization: Electrical Engineering

- Arie Janssens, B.S. (Kent State University) Kent
Field of Specialization: Geology
- William de Coursey Jeffers, D.I.T.C.A. (Imperial College of Tropical
 Agriculture) Plymouth, Montserrat, W. I.
Field of Specialization: Horticulture
- Elizabeth Anne Joering, B.S.H.E. (University of Cincinnati) . . . Cincinnati
Field of Specialization: Home Economics
- Hugh Paul Johnson, B.S. (United States Military Academy)
 Panama City, Fla.
Field of Specialization: Civil Engineering
- Gary Garcia Kelly, B.A. (Louisiana State University) . . . New Orleans, La.
Field of Specialization: Geodetic Science
- Kenneth Richard Kimble, B.Sc. Lima
Field of Specialization: Mathematics
- Eugene Martin Klimko, B.Sc. Campbell
Field of Specialization: Mathematics
- Ahmet Hamdi Koyunguden Bursa, Hocasahan, Turkey
Field of Specialization: Agricultural Economics and Rural Sociology
- George Arthur Lanciault, B.S. in Phar. (Union University) . . Cohoes, N. Y.
Field of Specialization: Pharmacy
- Wilson Earl Lehman, B.E.E. Mt. Sterling
Field of Specialization: Electrical Engineering
- Donald Gene Lubnau, B.E.E. Baltimore, Md.
Field of Specialization: Electrical Engineering
- Robert Melville MacAllister, D.D.S. (McGill University, Canada)
 Vancouver, B. C., Canada
Field of Specialization: Dentistry
- Charles Robert Mayer, B.S. (University of Illinois) Troy, Ill.
Field of Specialization: Electrical Engineering
- *Ronald Ashley McMaster Woodville
Field of Specialization: Mechanical Engineering
- Robert George McNamee, B.E. (Youngstown University) Youngstown
Field of Specialization: Electrical Engineering
- Roger Jeffrey McNichols, B.I.E. Columbus
Field of Specialization: Industrial Engineering
- Ram Narayan Lal Muralia, B.Sc. (Ag.) (University of Rajasthan)
 Udaipur, Rajasthan, India
Field of Specialization: Horticulture
- Robert Charles Murray, A.B. (Albion College) Grand Rapids, Mich.
Field of Specialization: Zoology
- Nelson Peter Mwanza, B.Sc. (University of London)
 Zomba, Nyasaland, Africa
Field of Specialization: Botany and Plant Pathology
- Richard Lloyd Nelson, E.E. (University of Cincinnati) Worthington
Field of Specialization: Industrial Engineering
- David Arthur Nippert, B.I.E. Columbus
Field of Specialization: Industrial Engineering
- James Carroll Notestine, B.Agr.E. Lewistown
Field of Specialization: Agricultural Engineering

* Two degrees

- Festus Ifeanyichuku Onwubiko Nwoke, B.Sc. (Honours) (University of London) Aguata, Awka, Nigeria
Field of Specialization: Botany and Plant Pathology
- Thomas Ovid Oesterling, B.Sc. in Phar..... Butler, Pa.
Field of Specialization: Pharmacy
- Sharon Cottrill Parker, B.S. (West Virginia Wesleyan College) Weston, W. Va.
Field of Specialization: Physiological Chemistry
- Manjoola Siddharth Patel, B.Sc., M.Sc. (University of Baroda) Bombay, India
Field of Specialization: Botany and Plant Pathology
- Gedeon Daniel Petit, A.B. (Saint Anselm's College) Suncook, N. H.
Field of Specialization: Zoology
- Wallace Juan Pobst, B.S. (University of California, Los Angeles) Scottsdale, Ariz.
Field of Specialization: Chemistry
- Bertram Phillip Price, A.B. (Wittenberg University) Cleveland
Field of Specialization: Mathematics
- John Edward Price, D.D.S..... Dayton
Field of Specialization: Dentistry
- Krishna Chandra Pundrik, B.Sc. (Ag.) (University of Rajasthan) Udaipur, Rajasthan, India
Field of Specialization: Horticulture
- Robert Andrew Reyda, B.Sc. in Agr..... Akron
Field of Specialization: Horticulture
- Terrence LaVerne Rich, B.S. (United States Military Academy) .. Cincinnati
Field of Specialization: Civil Engineering
- Robert William Ross, B.S.C.E. (Duke University) Mansfield
Field of Specialization: Civil Engineering
- Herbert J. Roth, B.Sc. in Agr..... Wauseon
Field of Specialization: Agricultural Economics and Rural Sociology
- Willard Travis Rushton, B.S. (Ag.Ec.) (Agricultural and Mechanical College of Texas) Kingsville
Field of Specialization: Agricultural Economics (Rural Sociology)
- Phillip Michael Russo, B.S.E.E. (Purdue University) Willoughby
Field of Specialization: Electrical Engineering
- David Eugene Scott, B.Sc..... Columbus
Field of Specialization: Physiology
- Harold William Scott, B.Sc. in Agr..... Wooster
Field of Specialization: Animal Science
- Dennis Carl Shultz, B.S. (Manchester College) Arcanum
Field of Specialization: Chemistry
- William Sickman Stinson, Jr., B.Sc. in Agr..... Clinton
Field of Specialization: Horticulture
- Aysun Sualp, B.S. (University of Missouri) Ankara, Turkey
Field of Specialization: Civil Engineering

- Gabor Stephan Szava-Kovats.....Columbus
Field of Specialization: Geodetic Science
- Thomas Orlo Thatcher, B.Sc. in Agr.....Columbus
Field of Specialization: Zoology
- Donald Raymond Theado, B.E.E.....Columbus
Field of Specialization: Electrical Engineering
- Elizabeth McBride Thompson, B.Sc.....Westerville
Field of Specialization: Zoology
- Wallace Tilden Thompson, B.E.E.....Columbus
Field of Specialization: Electrical Engineering
- David Winslow Thomson, B.A., B.S. in Chem. (State University of Iowa)
Mt. Vernon, Ia.
Field of Specialization: Chemistry
- James Bertram Tichy, B.Sc. in Phys.....Fairview Park
Field of Specialization: Physics
- Michael George Van Winkle, B.Sc.....Rocky River
Field of Specialization: Microbiology
- Paul Arlen Wagstaff, B.A.....Lakeview
Field of Specialization: Microbiology
- David Brooks Warner, B.S. (Otterbein College).....Columbus
Field of Specialization: Civil Engineering
- Ralph Edward Wharton, B.A. (Ohio Wesleyan University).....Centerburg
Field of Specialization: Geology
- Gerald Gene Wilson, B.A.A.E.....West Liberty
Field of Specialization: Aeronautical and Astronautical Engineering
- Lowell O. Wilson, B.Sc. in Agr.....Marysville
Field of Specialization: Agricultural Education
- Durmaz Yazgan, B.E.M.....Diyarbakir, Turkey
Field of Specialization: Physics
- Donald Eugene Yingst, B.Sc. in Agr.....Covington
Field of Specialization: Horticulture
- John Daoud Youssef, B.S. in Ag. (American University of Beirut)
Beirut, Lebanon
Field of Specialization: Agricultural Economics and Rural Sociology
(Ninety-six candidates)

**Master of Science
in Public Administration**

- Robert James Baldwin, B.C.S. (Drake University).....Reynoldsburg
Field of Specialization: Political Science
- Gordon John Dobler, B.S.P.H. (University of Michigan).....Columbus
Field of Specialization: Political Science
(Two candidates)

Master of Social Work

Marjorie Johnson Diuguid, A.B. (West Virginia State College)Dayton

Field of Specialization: Social Work

Mary Ann Oliver Miree, A.B. (University of Cincinnati)Cincinnati

Field of Specialization: Social Work

(Two candidates)

CANDIDATES FOR TWO DEGREES

Gwendolyn Ruth Bowers.....Dayton
Bachelor of Arts
Bachelor of Science in Education

Marilyn Kay Cogswell.....Marysville
Bachelor of Arts
Bachelor of Science in Education

Susan Helen Elsasser.....South Euclid
Bachelor of Arts
Bachelor of Science in Education

Judith Ann Katz.....Worthington
Bachelor of Arts
Bachelor of Science in Education

Judith Diane Speert.....Dayton
Bachelor of Arts
Bachelor of Science in Education

Ronald Ashley McMaster.....Woodville
Master of Science
Bachelor of Mechanical Engineering (cum laude)

(Six candidates)

COLLEGE OF AGRICULTURE AND HOME ECONOMICS

Dean: ROY M. KOTTMAN

Bachelor of Science in Agriculture

John Allan Balazs (with Distinction in Horticulture)	Cleveland
Larry Postle Bates	Columbus
Robert Ellsworth Bowers, Jr.	Urbana
Raymond Jacob Bricker	Salem
Edgar Clayton Buck	Gibsonburg
Ronald Eugene Clark	West Unity
William Lee Crist	Homeworth
Stanley Ray Gahn	Fremont
Neal Sewell Gregory	Jamestown
Thomas Leroy Haschen	Salem
Jack Lee Hopper	Worthington
Donald Wayne Hughes	Zanesfield
Charles Norman Ihle	Racine
James Virgil Justus	Columbus
Ronald Ernest Kampfer	Salineville
Byron Dale Kerschner	Grove City
Edward Lloyd Kimmey	Mt. Gilead
John Mitchell Lynd	Columbus
James Irvin Mann	Jerusalem
John Harlan McClelland	Fredericktown
Robert Mallarnee McConnell	Tippecanoe
Jeffrey Scott Mehring	Shaker Heights
Gerald Emanuel Miller	Luckey
Edwin Herman Otte	Defiance
Charles Albert Otto	St. Marys
Robert Stevens Park	Urbana
Frederick Warren Roeth	Houston
Thomas Carroll Stilwell	Piqua
Lynn LaMar Stuckey	West Unity
Clair Stanley Zimmerman	Spencerville

(Thirty candidates)

Bachelor of Science in Home Economics

Dorothy Sue Baughman	Powell
Nancy Alice Bowen	Columbus
Carol Jane Culler	Lucas
Susan De Lor	Columbus
Jo Nora Ellis	Lancaster
Nancy Jane Evans	Reynoldsburg
Norma Jean Frank	Fresno
Marlene Lois Gelfand	University Heights
Carolyn Sue Hayes	Covington
Kay Wolff Hicks	Columbus
Susan Loretta Jones	Youngstown
Karen Lucile Kiser	Canton
Barbara Ann Lebold	Dover
Cheryl Evans Leiss	Circleville
Emily Jane Lindeman	Cincinnati

Alice Kathryn Long.....	St. Paris
Betty Maki Price.....	Orrville
Harriet Linebaugh Scott.....	Grove Ctiy
Donna Frances Simons.....	Akron
Judith Smith Trishman.....	Columbus
Elizabeth Ann Williams.....	Athens
Ann Elizabeth Yarrington.....	Marysville

(Twenty-two candidates)

COLLEGE OF ARTS AND SCIENCES

Dean: J. OSBORN FULLER

Bachelor of Arts

Bonnie Thomas Abbott.....	Quincy
Richard Marion Bachtel.....	Massillon
John Thomas Bender.....	Columbus
Robert Carroll Bernow.....	Prospect
Celia Bidwell (summa cum laude).....	London
Bonnie Marie Bower.....	Columbus
*Gwendolyn Ruth Bowers.....	Dayton
Gary Lynn Bowman.....	Findlay
Huyen Trang Bui-Thi.....	Saigon, Vietnam
Calvin Duane Callender.....	Washington C.H.
*Marilyn Kay Cogswell.....	Marysville
Darlene Sue Cohen.....	Columbus
Richard Jacob Daniels.....	Mariemont
Charles Richard Donovan.....	Columbus
*Susan Helen Elsasser.....	South Euclid
Stuart Leslie Fauver.....	Oberlin
Charles Garwood Fenton.....	Sandusky
Thomas Robert Finneran.....	Columbus
Perry Gary Fish.....	Rockville Centre, N. Y.
William Alfred Fortsch.....	New Hyde Park, N. Y.
Gerald Henry Galbreath III.....	Columbus
William John Glueck.....	Cincinnati
Thomas Matthew Hackett.....	Columbus
Jan Hanzel.....	Wooster
Sharon Lynn Hoffman.....	Steubenville
John Thomas Hopkins.....	Jeromesville
Joseph Edward Hughes, Jr.....	Youngstown
Jerry Myron Jacobson.....	Cleveland Heights
Theodore William Jenkins.....	Barberton
Thomas Fredrick Johnson.....	Columbus
*Judith Ann Katz.....	Worthington
Jill Carol Kupin.....	Great Neck, N. Y.
David Stanley Lessem.....	Columbus
James Allen Lewis.....	Galion
Elizabeth Jane MacLearie.....	Chagrin Falls
William Ernest McElhaney.....	Hebron
Robert Caywood Mercer.....	Bowling Green
Thomas Ludwig Minnick (cum laude).....	Parma
Roger Allan Mitchell.....	Newark
Patricia Kay Morse.....	Cleveland
To-Thi Nguyen.....	Saigon, Vietnam
Ralph Stanley Pollock, B.Sc.....	Toledo
Martha Anne Potter.....	Worthington
Thomas Lynn Rapp.....	Dayton
Ronald Alan Rappoport.....	Youngstown
Thomas Mason Richardson.....	Waynesburg
Robertta Mae Robin.....	Columbus
William Russell Robinson.....	Pittsburgh, Pa.
Ellen Schmitt.....	Queens Village, N. Y.
Eileen Frances Silver.....	North Woodmere, N. Y.

* Two degrees

Ronald Keith Silversten.....	Wheeling, W. Va.
Diane Lee Simison.....	Newark
Denis Edward Skora.....	Columbus
Heloise Carole Sokoloff.....	Merrick, N. Y.
*Judith Diane Speert.....	Dayton
Elise Marie Spencer.....	Cleveland
John Alexander Spoff.....	Worthington
Robert George Squire, Jr.....	Burton
John Griffith Steed.....	Dayton
Diana June Talbott.....	Jackson
Olivia Ella Teter.....	Galion
James Wayne Veronesi.....	Adena
Thomas Lee Wharton.....	Middletown, N. J.
Roland Arthur Wobbe.....	Springfield
Bonnie Austin Woodruff.....	Columbus

(Sixty-five candidates)

Bachelor of Science

Barbara Shoup Aue.....	Germantown
Glenn Lee Bredemeyer.....	Cincinnati
Thomas Harold Connors.....	Toledo
George Edward DeBorde III.....	Miami, Fla.
Richard David Dolbec.....	Columbus
Richard David Eastep.....	Springfield
Donald Francis Eggeman.....	Delphos
Carol Edna Ehrnsberger.....	Lakewood
Ronald Charles Fox.....	Green Springs
Jimmy Richard Galford.....	Columbus
George Roger Hamilton.....	Rayland
Thomas Philip Hart.....	Cleveland
Jack Foster Hastings.....	Avon Lake
Gerhard Arno Hauptmann.....	Columbus
William Hilton, Jr.....	Martins Ferry
Linda Kay Hiser.....	Columbus
John Louis Hughes.....	Springfield
David Maxson Huntley.....	Bryan
Irving Lee Kaplan.....	Cleveland
David Joel Kinzelman.....	Columbus
Lyn Klaiber.....	South Euclid
Thomas Michael Kneisley.....	Dayton
Charles Richard Krause.....	Columbus
James Lee Lager.....	Maumee
Sondra Lee Maksim.....	Ft. Myers, Fla.
Faunna Lynn Matheny.....	Logan
David Leigh McConagha.....	Reynoldsburg
James Michael McKisic.....	San Diego, Calif.
Landon Eugene McManis.....	Mt. Vernon
Carl Franklin Miller.....	Ostrander
William George Miller.....	Toledo
Edgar Morris Price.....	Uhrichsville
John Michael Rice.....	Columbus
Robert John Ripich.....	Canton
William Denny Robertson.....	Akron
John Sandford Roesch.....	Massillon
John Allison Rolls.....	Cincinnati

* Two degrees

Margery Jennie Schafer.....	New Richmond
Robert Lloyd Shagrin.....	Youngstown
Judith Ann Smith.....	Zanesville
John William Spies.....	Columbus
Karen Stevens.....	Euclid
Michael Andrew Wasylik.....	Dover
Joseph Aloysius Weingates (summa cum laude).....	Fostoria
Ralph Jay Weinstein.....	New York, N. Y.
John Wilson Westman.....	Rochester, N. Y.
John Paul Woodruff.....	Shelby

(Forty-seven candidates)

Bachelor of Science in Medical Technology

Dorothy Ann Bockbrader.....	Walbridge
Emily Marie Dierken.....	Spring Valley
Jane Hardesty Flatt.....	Rocky River
Margaret Ruth Kline.....	Dayton
Janet Ann Lineback.....	Cincinnati
Joyce Belt McCabe.....	Columbus
Kathie Pauline Mowrer.....	Columbus
Marlene Joyce Weinbren.....	East Liverpool

(Eight candidates)

SCHOOL OF JOURNALISM

Bachelor of Arts

Donna Engle Boller (cum laude).....	Manchester, Md.
Mary Margaret Griffith.....	Shelby
Joseph David Rice.....	Pikesville, Md.

(Three candidates)

COLLEGE OF COMMERCE AND ADMINISTRATION

Dean: JAMES R. MCCOY

Bachelor of Science in Business Administration

Harold Vance Abraham.....	Columbus
Leslie Barton Abramovitz.....	Youngstown
David Keith Arras.....	Findlay
Richard Allen Bavetz.....	Euclid
Leonard Eugene Berry.....	Loganville, Ga.
Boyd Fletcher Bilger.....	Hicksville
William Franklin Bippus.....	Dayton
John Hemphill Bowman.....	Columbus
Donald Anthony Breen.....	Pittsburgh, Pa.
Maurice Randolph Buchsbaum.....	Columbus
Stephen Michael Buttress.....	Columbus
Henry Childs Christopher, Jr.....	Fort Payne, Ala.
LeRoy Coffey.....	Dayton
Sanford Richard Cohen.....	Akron
Stephen Michael Collins.....	Dayton
Orlando Francis Costanzo.....	Cleveland
Jerome Phillips Distel.....	Portsmouth
William Howard Doerr.....	Columbus
Thomas David Driskell.....	Columbus
Kathleen Ellen Dunkle.....	Columbus
Fred William Emley.....	Mt. Vernon
Boyd Bernarr Ferris.....	Loudonville
Robert Louis Fuller.....	Columbus
James Robert Goslee III.....	Bellefontaine
Lawrence Edward Guffey.....	Columbus
William Francis Hemmert.....	Dayton
William Wesley Hess.....	Springfield
David Arthur Howe.....	Columbus
James Malcolm Howe.....	Columbus
David Falknor Hutchinson.....	Akron
Henry George Kobulnicky.....	Perry
Michael John Kormos.....	Lyndhurst
Harry Lange Krieger, Jr.....	Columbus
Ronald Frank Krulich.....	Euclid
Norma Jean Landry.....	Rocky River
Charles Thomas Leighton.....	Newark
Harold Sanford Maggied, B.A.....	Columbus
Paul Frederick Martin.....	Columbus
James Harold Maurice.....	Katonah, N. Y.
Kenneth Paul Mitchell.....	Marion
Richard William Mitchell.....	Columbus
Jorge Shojiro Mukoyama.....	Valencia, Venezuela
James Robert Neuhart.....	Columbus
Paul Larmer Newhart.....	Worthington
Thomas Allyn Niehaus.....	Fairfield
Nancy Kelley Noecker.....	Chillicothe
Richard Allen Norris.....	Columbus
James Freeman Pearson.....	West Milton
Paul D. Potter.....	Roscoe, Tex.
Roger Allen Remlinger, A.B. (Ohio University).....	Prospect
Mary Helen Roberts.....	Bellefontaine

Charles Edward Roope.....	Columbus
Barbara Palmer Schindler.....	Cincinnati
Stanley Bruce Segall.....	Youngstown
David Lee Shoup.....	Tipp City
Peter Hill Skepstedt.....	Columbus
Joseph James Snabl, Jr.....	Columbus
David Randolph Thrasher.....	Dayton
Warren Herbert Tisdale.....	Lorain
William Henry Upperman.....	Amlin
George Henry Welliver, Jr.....	Westfield, Mass.
Jonathan Fred Williams.....	Ormond Beach, Fla.

(Sixty-two candidates)

Bachelor of Science in Social Welfare

Irene Louise Humphrey.....	Columbus
Valerie Jean King.....	Rochester, N. Y.
Barbara Jo Michaelson.....	Columbus
Patsy Shoemaker Miller.....	Columbus
Betty Lillian Skobrak.....	Columbus
Linda Ann Warner.....	Painesville

(Six candidates)

COLLEGE OF EDUCATION

Dean: DONALD P. COTTRELL

Bachelor of Science in Education

Pauline Turberg Aaron.....	Hamilton
Janet Sue Adams.....	Columbus
Patricia Anne Adams.....	Yorkville
Carole Lynn Adelstein.....	Shaker Heights
Carol Ann Angene (cum laude).....	Bucyrus
Wilbur Lee Angles.....	Wellston
Gerald Lee Annis.....	Waverly
Rozelle Estreicher Atkins.....	Cleveland
Barbara Cordle Ball.....	Columbus
John Joseph Beck.....	Columbus
Lenore Elizabeth Bell.....	Pittsburgh, Pa.
Carol Ann Benasky.....	Cleveland
Marcia Lynne Blair.....	Youngstown
Wendelyn Houghton Borland.....	Columbus
*Gwendolyn Ruth Bowers.....	Dayton
Rona Elayne Brotkin.....	Piqua
Stanley Arthur Burkett.....	Bellevue
Howard Allen Butler.....	Columbus
Donna Rose Marie Calcara.....	Columbus
Karen Patricia Cline.....	Mansfield
Ronnie Lee Coder.....	Magnetic Springs
Rona Ellen Coganow.....	Zanesville
*Marilyn Kay Cogswell.....	Marysville
Linda Triger Cohen.....	Canton
Bonnieta Lew Cone (cum laude).....	Madison
Jean Aerial Corwin.....	Paulding
James Edward Davis.....	Akron
Mary Truitt Dawson.....	Worthington
Gene Royce Delaplane.....	Upper Sandusky
Bonnie Mae Detwiler.....	Bellefontaine
Frayda Miriam Deutsch.....	Long Beach, N. Y.
Nancy Anne DeVoe.....	South Solon
Diann Sandra Doudna.....	Canton
Sarah Gilbert Eggers.....	Twinsburg
Bonita Kay Egnew.....	Toledo
*Susan Helen Elsasser.....	South Euclid
Madeline Ernst.....	Dayton
Lawrence Joel Evans.....	Beachwood
Lynne Feldman.....	Toledo
Ronald Gayle Ferguson.....	Xenia
Sonia Gold Fesman.....	Columbus
Caroline Stella Florea.....	Blanchester
Sheila Miriam Fraigun.....	Shaker Heights
Herbert Noah Frankel.....	Cincinnati
Janis Gibson Fritz.....	Berlin Center
Gerald Michael Galloway, A.B. (Ohio University).....	Columbus
Sheila Welch Ganch.....	Toledo
Joanne Stewart Garbe.....	Dayton
Donna Rae Gillespie.....	Jackson

* Two degrees

Judy Lee Glass (cum laude)	Xenia
June Seemann Gomez de Molina	Dayton
Janice Ruth Goodman	Toledo
Judy Gail Gross	University Heights
Marilyn Jean Hardee	Akron
Leo Arden Haycook	Bucyrus
Thomas Allan Hephner, B.S. in B.A. (Kent State University)	Columbus
Marilyn Hanger Hicks	Columbus
Dona Jones Hobbs	Columbus
Donald Paul Hodgson	Columbus
Joyce Detwiler Hostetler	Leetonia
Tressa Joan Houghton	Bedford
Keith Eldon Jenkins, B.Sc. in Dairy Tech.	Cleveland
Willard Charles Johnson	La Grange
Robert Christian Jonas III	Columbus
Leif Mari Jonassen, Jr.	Euclid
Mina Karlin	Oklahoma City, Okla.
*Judith Ann Katz	Worthington
Robert Joseph Klein	Athens, Mich.
William Lewis Kolar	Berlin Heights
Mary Ellen Ladrach	Wooster
Martha Washburn Landes (cum laude)	Columbus
Lawrence John Lapinski	Bound Brook, N. J.
Phyllis Cox Lawson	Middletown
Eve-Sandra Lerner	Huron
Sharon Ann Levine	Passaic, N. J.
Jaye Slaughter Lincicome	Canal Winchester
Diane Louise Locey (cum laude)	Columbus
Eileen Francis Lyson	Maple Heights
Nancy Elizabeth Lyss	Bay Village
Rosalie McClain	Upper Sandusky
Arlene Mendelson (summa cum laude)	University Heights
Lindley David Moore	Bethel
John Andrew Moss	Columbus
William Mrukowski	Elyria
William Anthony Muraco	Cleveland
Kathleen Marjory Murphy	Springfield
Marve Ann Olsen	Dayton
Rebecca Sue Orr	Baltimore
Anne Lee Owens	Delta
Eve Evans Papagan	Columbus
Julia Wells Peebles	Lucasville
Penelope Jo Peterson (summa cum laude)	Syracuse, N. Y.
Ralph Eugene Philbin	Youngstown
Richard William Phillips	Stout
Betty Kay Pinsenschaum	Grove City
Jane Ann Ullman Plummer	Beverly
Adrienne Marlene Pollock	Bayside, N. Y.
Sondra Sue Potts	Pomeroy
Martha Sandbeck Racey	Celina
Penelope Susan Rector	Xenia
Ann Kirk Reinhard	Grove City
Alice Louise Brown Reuter	Columbus
Dean Burleigh Rinehart	Columbus
Mary Louise Robbins	Middletown

* Two degrees

Sandra Helm Robert.....	Columbus
Robert Blaine Robinson.....	Columbus
Sylvia Schottenstein Rosenberg.....	Columbus
Aileen Cecile Sacks.....	Shaker Heights
David Lee Sansbury.....	Columbus
Linda Gail Saul.....	Dalton, Ga.
Janice Hague Schnarr.....	Rocky River
Joyce Rogers Schoedinger.....	Columbus
Marikay Glassman Schwartz.....	University Heights
Sandra Marie Secrest.....	Columbus
Helena Theresa Sekular.....	Lorain
Patricia Sharkey.....	Columbus
Charles Lynn Shrewsberry.....	Mansfield
Barbara Lee Smigel.....	New Philadelphia
Joyce Corinne Smith.....	Amsterdam
Emma Louise Snively.....	Yellow Springs
*Judith Diane Speert.....	Dayton
Bonnie Hedges Stephenson.....	Columbus
Sarah Rood Stewart.....	Columbus
Charles Albert Stites.....	Urbana
Robert Winfield Stone.....	Delaware
Grant Ensign Strickland, B.A.....	Youngstown
Nancy Lee Stump.....	Alliance
William George Summers.....	Elmore
Kenneth Allan Valimaki, B.F.A.....	Fairport Harbor
Phyllis Barbara Van Dyne.....	Brooklyn, N. Y.
Barbara Bailey Vercoe.....	Columbus
Jo Ellen Vinsel.....	Coshocton
Janet Marie Volpe.....	Powhatan Point
Judith Ann Watters.....	Ripley
James Martin Wheeler.....	Lakewood
Diana Marie Whetsel.....	Delaware
Joan Culbertson White.....	Shelby
Diana Dee Wilson.....	Mt. Vernon
Ida Cunningham Young, A.B. (Miami University).....	Columbus
Marilyn Jane Zeisler.....	Poland

(One hundred and forty candidates)

Bachelor of Fine Arts

Hannah Dickason Brehmer (cum laude).....	Vermilion
James Roy Howard.....	Lakewood
Stanley Edward Lockwood.....	Cincinnati
Judith Helen Ogden.....	Barberton
Barbara Ann Paine.....	Columbus
John Thomas Seery.....	Mt. Healthy
Lorena Holshoy Smith.....	North Canton
Jchn William Stephenson.....	Ashtabula

(Eight candidates)

Bachelor of Music

Karen Lee Kullmann (summa cum laude).....	Westerville
Robert Patsy Porco, B.Sc. in Edu.....	Steubenville

(Two candidates)

* Two degrees

**Bachelor of Science
in Occupational Therapy**

Mary Virginia Howenstine.....Lima
Phyllis Anne Ober.....Cleveland
Patricia Ann Van Atta.....Oak Harbor

(Three candidates)

COLLEGE OF ENGINEERING

Dean: HAROLD A. BOLZ

Bachelor of Agricultural Engineering

Melvin Duane Maddox.....West Chester
(One candidate)

Bachelor of Civil Engineering

Rodney Macloon Allen.....Mansfield
Thomas Edward Beck.....Crestline
James Wendell Bushee.....Lancaster
Robert Etling Fletcher, A.B. (Miami University).....Orrville
Gerald Allan Hepp.....Cleveland
Ronald Franklin Huprich.....Baltic
Edward Robert Steele.....Seville
William David Wood.....Columbus
(Eight candidates)

Bachelor of Electrical Engineering

Joseph Brelsford Beach, B.S. (Marietta College).....Lowell
Larry Allen Crum.....Bucyrus
Dawson Richard Getz.....Massillon
Edward Lawrence Pelton.....London
Andrew George Repjar.....Elyria
(Five candidates)

Bachelor of Industrial Engineering

Samuel Vernon Huffman, Jr.....New Rumley
Gokaraju Venkata Narasimha Raju, B.Sc. (Benaras Hindu University)
BhimavaramTq, India
Darrell James Steffey.....Vandalia
(Three candidates)

Bachelor of Mechanical Engineering

Gerald Eugene Bernard.....North Madison
Fredrick Alan Fischer (cum laude).....Mansfield
Robert Wilson Flinn.....Kenton
Ray Curtis Ladrach (summa cum laude).....New Philadelphia
Chaman Mahajan, B.Sc. (University of Delhi).....New Delhi, India
*Ronald Ashley McMaster (cum laude).....Woodville
Glenn Evan Siemer.....Cincinnati
(Seven candidates)

Bachelor of Engineering in Mining

Chakib Khelil.....Oujda, Morocco
(One candidate)

Bachelor of Science in Physics

Warren Dale Burggraf.....Caledonia
Larry Allan Seitz.....Cleveland
(Two candidates)

* Two degrees

COLLEGE OF MEDICINE

Dean: RICHARD L. MEILING

SCHOOL OF NURSING

Bachelor of Science in Nursing

Janet Gay Blackwood (summa cum laude)	Yellow Springs
Carol Ann Bumb (cum laude)	Bellevue
Emilie Louise Drumm	Lambertville, Mich.
Audrey Jean Gottschling	Lorain
Marcia Ann Kellermeier	Toledo
Suann Hilty Kiefer	Spencerville
Tanya Karen Kuenzli	Upper Sandusky
Deanna Kay Wenger	Dayton

(Eight candidates)

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
NINE HUNDRED AND EIGHTY-EIGHTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, April 17, 1964

The Board of Trustees met at its regular monthly meeting on Friday, April 17, 1964, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: Thomas F. Patton, Chairman, Smith L. Rairdon, Alan B. Loop, Jacob E. Davis, Stanley C. Allyn, John W. Bricker, Carlton S. Dargusch, John G. Ketterer, and Frederick E. Jones.

* * *

Minutes of the last meeting were approved.

* * *

April 17, 1964 meeting, Board of Trustees

President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Fiftieth Anniversary for Nursing Education

The Director of the School of Nursing of the College of Medicine, with the concurrence of the Dean, has proposed that the year 1964 be officially designated by the Board of Trustees as the Fiftieth Anniversary for Nursing Education. It is clear from all available evidence that nurses' training became a part of the teaching program of The Ohio State University in the autumn of 1914 when the University established a College of Homeopathic Medicine and took over Starling-Ohio Medical College--Board resolution adopted January 27, 1914.

It is therefore recommended that the proposal to designate the year 1964 as the Fiftieth Anniversary for Nursing Education be approved.

Upon motion of Mr. Rairdon, seconded by Mr. Davis, the above recommendation was approved by unanimous roll call vote.

B. Remedial Courses in English and Mathematics Discontinued

The Faculty Council on March 10, 1964, endorsed the proposal of the Council on Instruction, that all courses in English and mathematics which are purely remedial in purpose and content be discontinued at the end of the Summer Quarter 1965 and that the teaching of these remedial courses be phased out by offering such courses only in the Summer and Autumn Quarters of 1964 and the Winter and Summer Quarters of 1965.

It is therefore recommended that the above proposal to discontinue the teaching of remedial courses in English and mathematics be approved.

Upon motion of Mr. Jones, seconded by Mr. Bricker, the above recommendation was approved by unanimous roll call vote.

C. Naming of Building - James Ellsworth Boyd Laboratory

Upon the recommendation of Dean Harold A. Bolz, College of Engineering, and the chairman and faculty of the Department of Engineering Mechanics, and with the concurrence of Mr. Frederick Stecker, Executive Director for University Relations, it is proposed that the space formerly occupied by the State Highway Testing Laboratory located at 155 West Woodruff Avenue, which is now being converted for use by the Department of Engineering Mechanics, be named "James Ellsworth Boyd Laboratory," in memory of Professor Boyd. Professor Boyd was one of the University's earliest faculty members to attain national recognition and was largely responsible for the development of the University's Department of Engineering Mechanics.

April 17, 1964 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

C. Naming of Building - James Ellsworth Boyd Laboratory (continued)

This proposal has the concurrence of the President's Cabinet and is in accordance with the By-Laws of the Board of Trustees. It is hereby recommended for your approval.

Upon motion of Mr. Bricker, seconded by Mr. Davis, the Board of Trustees by unanimous roll call vote approved the naming of the building located at 155 West Woodruff Avenue, which is to house the Department of Engineering Mechanics.

D. Honorary Degrees

The Faculty Council on March 10, 1964, recommended that the honorary degree, Doctor of Humane Letters, be conferred on:

Leonard Bernstein
George Remington Havens

and also the honorary degree, Doctor of Science, be conferred on:

Charles Austin Doan

It is therefore recommended that the Board of Trustees approve the Faculty Council recommendation and that these degrees be awarded at one of the Commencement Convocations during the academic year 1964-1965.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendation was approved by unanimous roll call vote.

E. Recommendation for the Benjamin G. Lamme Meritorious Achievement Medal - William W. Heimberger

The Committee on Honorary Degrees and Honors of the College of Engineering, with the unanimous endorsement of the faculty of the College of Engineering, has nominated William W. Heimberger, Chairman of the Board of Directors of Buckeye Steel Castings Company, Columbus, Ohio, for the Benjamin G. Lamme Meritorious Achievement Medal to be awarded at the June Commencement, 1964.

It is therefore recommended that this nomination be approved by the Board of Trustees.

Upon motion of Mr. Bricker, seconded by Mr. Ketterer, the above recommendation was approved by unanimous roll call vote.

F. Revision of Rules 31.0701 and 31.0703 - Rules for the University Faculty

On February 11, 1964, the Faculty Council recommended that Rules 31.0701 and 31.0703 of the Rules for the University Faculty be revised as follows, effective Summer Quarter 1964:

I. GENERAL RECOMMENDATIONS (continued)

F. Revision of Rules 31.0701 and 31.0703 -
Rules for the University Faculty (continued)

1. Delete paragraph b of Rule 31.0701:

During at least his first three quarters at the University,
one hour of Physical Education each quarter until a total
of three credit hours has been earned; and

2. Delete paragraph b of Rule 31.0703:

During at least her first six quarters at the University,
one hour of Physical Education each quarter until a total
of six credit hours has been earned; and

3. Insert the following as a new paragraph b in Rules 31.0701 and
31.0703:

One or more hours of Physical Education per quarter for
a total of three quarters; and

It is therefore recommended that this action of the Faculty Council be
approved with the understanding that students enrolled during the Summer
Quarter 1964 or any subsequent quarter shall be required to meet the
conditions of the Rules 31.0701 and 31.0703 as amended.

Upon motion of Mr. Davis, seconded by Mr. Allyn, the above recommendation
was approved by unanimous roll call vote.

G. Establishment of Richard E. Byrd Memorial

It has been proposed by an ad hoc committee of nationally distinguished
geological scientists that a memorial be erected in honor of the late Rear
Admiral Richard E. Byrd, polar explorer. By virtue of the international
reputation and the distinguished work of The Ohio State University's Institute
of Polar Studies, interest has been expressed in locating the memorial on
The Ohio State University campus and in the use of The Ohio State University's
name for the purpose of soliciting funds for the memorial. This memorial
would be a building in which his Arctic and Antarctic mementoes and his
polar library would be preserved.

With the concurrence of the Board of Directors of The Ohio State University
Development Fund and the President's Cabinet, it is recommended that per-
mission be granted to use the name of The Ohio State University to solicit
funds for the memorial, subject to the following conditions:

1. That the memorial be located on The Ohio State University campus
and that the University will determine the location of the memorial
on its campus.
2. That the building be planned under regular University procedures.

I. GENERAL RECOMMENDATIONS (continued)

G. Establishment of Richard E. Byrd Memorial (continued)

3. That the endowment in support of the Byrd Memorial cover all capital and operating costs of the memorial.
4. That all literature in which the name of The Ohio State University is to be used be approved in advance of publication by the University through the Executive Director for University Relations.

Upon motion of Mr. Allyn, seconded by Mr. Loop, the above recommendation to use the name of The Ohio State University in solicitation of funds, subject to the conditions as set forth in the above recommendation, was approved by unanimous roll call vote.

H. Transfer of Jurisdiction and Control of Certain State-Owned Land in Edward Orton Memorial Park, Greene County, Ohio, from the Ohio Department of Natural Resources to The Ohio State University

Whereas, on or about October 4, 1940, Mr. Hugh T. Birch made a gift of money to the State of Ohio conditioned upon the purchase of certain land located in Greene County, Ohio, hereinafter described; and

Whereas, there was a further condition of said gift to the effect that said land be purchased as an addition to the Edward Orton Memorial Park to be leased to the 4-H Club Camp, Inc. for camping and recreational purposes; and

Whereas, pursuant to said gift the land was purchased and on November 25, 1940, the State of Ohio through the Board of Control of the Ohio Agricultural Experiment Station entered into a lease, the full terms and conditions of which are therein set forth, said lease being recorded in the Office of the Recorder of Greene County, Ohio, in Lease Book 9, page 128; and

Whereas, pursuant to a change in the statutes of Ohio, forest and park land, theretofore under the jurisdiction and control of the Board of Control of the Ohio Agricultural Experiment Station, was transferred to the Ohio Department of Natural Resources; and

Whereas, the Board of Trustees of The Ohio State University through its Cooperative Extension Service is administratively responsible for the jurisdiction and control of the 4-H Club program of Ohio; and

Whereas, the Ohio Department of Natural Resources in pursuance of Sections 121.17 and 151.01 of the Revised Code of Ohio has for the reasons stated above, with the concurrence of the Attorney General of Ohio and the Governor of Ohio, deemed it proper to place the jurisdiction and control of this said land with the Board of Trustees of The Ohio State University; and

Whereas, said Department has executed a departmental transfer and release to the Board of Trustees of The Ohio State University, through John T. Mount, Secretary of the Board of Trustees, of its jurisdiction and control of certain land in Miami Township, Greene County, Ohio, owned by the State of Ohio, being more particularly described as follows:

April 17, 1964 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

H. Transfer of Jurisdiction and Control of Certain State-Owned Land in Edward Orton Memorial Park, Greene County, Ohio, from the Ohio Department of Natural Resources to The Ohio State University (continued)

Being a part of the 69.77 acre tract acquired by the State of Ohio to form an addition to Edward Orton Memorial Park in Miami Township, Greene County, Ohio, located in V.M.S. 610 and bounded and described as follows:

Beginning at a point in the east line of the said 69.77 acre tract, which point is N-17 deg. 21' W. and 76.75 feet distant from a stone monument in the center of the Old Sandusky Road, also known as the Clifton-Xenia Road, and which stone monument is at the southeast corner of the said 69.77 acre tract;

Thence following the east line of said tract N-17 deg. 21' West 691.7 ft. to a stake on the bank of a small ravine;

Thence following the line of this ravine the following courses and distances: N-72 deg. 42' West 95.9 ft.; S-79 deg. 21' West 45.3 ft.; N-64 deg. 48' West 151.2 ft.; S-78 deg. 25' West 141.6 ft.; S-68 deg. 23' West 86.4 ft.; S-45 deg. 44' West 81.5 ft.; to where the cliffs of the Little Miami River meet the ravine; thence S-19 deg. 10' West, 101.7 ft. to the top of the cliff; thence follow the edge of the cliff as follows: S-32 deg. 44' West 138.3 ft.; S-0 deg. 57' West 75.1 ft.; S-15 deg. 25' East 99.7 ft.; S-48 deg. 19' West 114.6 ft.; S-17 deg. 15' East 51.5 ft.; S-45 deg. 45' West 228.3 ft.; S-47 deg. 51' West 117.4 ft.; to where a small ravine meets the cliff; thence S-30 deg. 27' East 87.4 ft.; thence N-71 deg. 41' East 196.9 ft.; thence S-28 deg. 30' East 323.4 ft. to a point 75' from the center of the said Old Sandusky Road; thence parallel with the said center line of said road N-60 deg. 23' East 85 ft.; thence South 29 deg. 37' East 75.0 ft. to the center of said road; thence following the center of said road N-60 deg. 23' East 30 ft.; thence N-29 deg. 37' West 75.0 ft.; thence parallel with the center of said road and 75 feet distant therefrom N-60 deg. 22' East 758.6 ft. to the place of beginning.

Containing 17.54 acres.

Whereas, pursuant to the terms of the gift and of the lease dated November 25, 1940, the 4-H Club Camp, Inc. under date of March 23, 1964, has requested authorization to proceed with certain improvements;

NOW THEREFORE BE IT RESOLVED that in consideration of the foregoing, the Board of Trustees of The Ohio State University accepts from the Ohio Department of Natural Resources jurisdiction and control of the land more particularly described above for the uses and purposes stipulated in a certain lease, dated November 25, 1940, granted to 4-H Club Camp, Inc., Springfield, Ohio, and if such occupancy shall cease, the said land shall be returned to the jurisdiction and control of the Ohio Department of Natural Resources;

April 17, 1964 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

H. Transfer of Jurisdiction and Control of Certain State-Owned Land in Edward Orton Memorial Park, Greene County, Ohio, from the Ohio Department of Natural Resources to The Ohio State University (continued)

BE IT FURTHER RESOLVED that the plans for improvement of the 4-H Club camp site as submitted by 4-H Club Camp, Inc. under the date of March 23, 1964, be approved with the understanding that there will be no cost for said improvements to the Board of Trustees of The Ohio State University.

Upon motion of Mr. Loop, seconded by Mr. Ketterer, the above resolutions were approved by unanimous roll call vote, and the Secretary was instructed to forward a copy of this action to the Ohio Department of Natural Resources and to file all the official documents pertaining thereto with the official records of the Board of Trustees.

I. Relocation of Olentangy River Road and Establishment of Research Parks

The University's master plan, which was officially adopted by the Board of Trustees in February 1962, resulted from three years of intensive study by a competent firm of planning consultants and our own Office of Campus Planning. Several hundred leading faculty members and University administrators participated, and both local and regional planning officials were frequently and significantly involved. The Board of Trustees reviewed the findings of the study as it progressed, and adopted guiding principles which established the major features of the final plan.

After extensive discussion over a period of several months, the Board of Trustees in March 1960, by a unanimous vote of its full membership, stated that continuation of the Olentangy River Road in its present location through the campus "would in large measure destroy the sense of oneness that is essential to the intellectual vitality, well-being, and growth of the University."

This position has been reaffirmed by the Board of Trustees on several occasions, most recently by a unanimous vote of its full membership on September 13, 1963.

Because of the growing volume of traffic, the continued expansion of the University, especially in graduate education and research, and the increasing urgency of establishing the availability of building sites along the river in accordance with the official master plan, the Board of Trustees has again reviewed its position in this matter. It is the considered judgment of the Board of Trustees: (1) that the realignment of this road is of vital importance to the future growth and development of the University, and (2) that the slight additional cost of this realignment over the cost of adequately improving the present road would be more than offset by the savings in tax dollars that would result from use of the river frontage for University building purposes.

I. GENERAL RECOMMENDATIONS (continued)

I. Relocation of Olentangy River Road and
Establishment of Research Parks (continued)

In connection with the discussion of the relocation of the Olentangy River Road, it has recently been proposed by certain interests that the University establish a research park. The official master plan adopted by the Board of Trustees in February 1962 unmistakably endorses the establishment of research agencies and research-oriented industries in reasonable proximity to the campus, and the Board of Trustees now reaffirms this endorsement. However, the legal authority of the University to create, or to participate in the creation of, a research park has not been established.

The University is pleased with the recent proposal of the staff of the City Planning Commission that a research and industrial park be created along the west side of the railroad tracks between East 11th Avenue and East 5th Avenue. This is viewed as a desirable supplement to the master plan proposal for a similar development along Kinnear Road.

Among other locations recently suggested for an industrial research park is the general area of the Outer Belt and the Don Scott Airport. A development of this kind in reasonable proximity to the University's Department of Aviation and expanding aerodynamics research facilities at Don Scott Field would undoubtedly be of mutual advantage to the University and to the current research and development interests of the State. It would be welcomed by the University, and the University should assist the movement within the limits of its resources and the limits of its legal authority.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, it was unanimously voted that the foregoing statement be adopted as expressing the position of the Board of Trustees on these issues; that the President be instructed to press vigorously for early decisions by appropriate city and state officials to clear the way for the realignment of the Olentangy River Road through the campus and for the vacation of a portion of the existing right-of-way in accordance with the official master plan; and that, without regard to the problems of road realignment, the President be instructed to give appropriate assistance and support to the creation of one or more research parks at appropriate places on private land which is or can be made available for this purpose.

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II. PERSONNEL CHANGES

In presenting the recommendations for changes in personnel, President Fawcett addressed himself to the importance of achieving some realignment of personnel within the central administrative structure of the University. He stated that as the University continues to grow, the magnitude of administrative responsibility that must be assumed by the central staff increases. He added that it has been his policy to re-examine the administrative structure from time to time and to recommend such modifications as are required to effect efficiency in the management of the administrative concerns of the officers of the University. He then presented the following recommendations:

April 17, 1964 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

- A. That John C. Weaver's appointment as Vice President for Instruction and Dean of Faculties, which was announced earlier, be ratified; further that his annual salary for this position be \$27,168.00 and that he be appointed Professor in the Department of Geography at No Salary, effective July 1, 1964.

Upon motion of Mr. Loop, seconded by Mr. Bricker, the appointment of the Vice President for Instruction and Dean of Faculties and Professor in the Department of Geography was ratified by a unanimous roll call vote.

- B. That effective on July 1, 1964, the titles and administrative responsibilities for the following-named persons be changed as indicated below. All salary adjustments to be made in connection with these changes in duties will be included in the 1964-1965 personnel services budget, which will be presented to the Board of Trustees at its June 1964 meeting.

John T. Mount from Vice President and Secretary to Vice President for Educational Services. This action does not affect his service as Secretary of the Board of Trustees. He will continue to hold the rank of Professor in the Agricultural Extension Service.

John E. Corbally, Jr. from Executive Assistant to the President and Director, Personnel Budget, to Vice President for Administration. He will continue to hold the rank of Professor in the Department of Education.

Ronald B. Thompson from Executive Dean for Special Services to Executive Dean for Admissions and Registrations.

Edward Q. Moulton from Associate Dean (part time - 52%), Graduate School, Associate Dean (part time - 48%), College of Arts and Sciences, and Acting Chairman, Department of Geodetic Science, to Associate Dean of Faculties and Dean of Off-Campus Education. He will continue to hold the rank of Associate Professor in the Department of Civil Engineering.

Kenneth J. Arisman from Director, Off-Campus Education, to Assistant Dean of Off-Campus Education. He will continue to hold the rank of Professor in the Department of Education.

Upon motion of Mr. Davis, seconded by Mr. Ketterer, the changes in titles and administrative responsibilities were approved by a unanimous roll call vote.

Mr. Patton, Chairman of the Board, congratulated the above-named persons on their promotions to the new posts and expressed confidence in their ability to carry forward in these new duties. On behalf of the Board of Trustees, Mr. Patton further expressed the very best wishes and appreciation for the many years of devoted service to Dr. Frederic Heimberger whose retirement as Vice President for Instruction and Dean of Faculties will become effective June 30, 1964.

April 17, 1964 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

C. Amendments to the Rules for the University Faculty

That pursuant to the foregoing recommendations for changes of titles and definitions of responsibility for certain administrative personnel, it is recommended also that the following Rules for the University Faculty be amended to read as follows:

11.1104. Vice President for Educational Services.*

Section 1. The Vice President for Educational Services shall be the executive head of the Office of Educational Services.

Section 2. The major area of responsibility and authority of the Vice President for Educational Services shall be that of the educational services of the University. Without limiting the generality of the foregoing the Vice President for Educational Services shall under the direction of the President and with the approval of the Board of Trustees, be responsible and have the necessary authority for: the development of policies relating to the admission and registration of all students; the development of administrative policies and operating procedures for the part-time and continuing educational programs; the development of teaching programs in physical education, air science, military science and naval science; the development of policies and operating procedures for the administration of telecommunication and other teaching aid services. In cooperation with the Vice President for Instruction and Dean of Faculties he shall assist in coordination of the programs for the above listed areas of responsibility with the instructional program of the University; and, in cooperation with the Executive Dean for Student Relations he shall assist in the coordination of the admission and registration of students with the student housing and student personnel programs of the University.

Section 3. The principal administrative officials of the Office of Educational Services shall be the Executive Dean for Admissions and Registrations, the Dean of Part-Time and Continuing Education, the Director of the Telecommunications Center, the University Historian, and the Chairmen of the Departments of Physical Education, Air Science, Military Science, and Naval Science.

11.1105. Vice President for Administration.*

Section 1. The Vice President for Administration shall serve as the executive administrative assistant to the President and shall be a member of the General Administration division of the University.

April 17, 1964 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

C. Amendments to the Rules for the University Faculty (continued)

11.1105. Vice President for Administration.* (continued)

Section 2. The Vice President for Administration shall perform general administrative services assigned by and on behalf of the President. Without limiting the generality of the foregoing, the Vice President for Administration shall assist the President in coordinating University administrative functions so as to insure the orderly and timely conduct of the business of the University; shall be responsible for the orderly flow of external and internal communication among University officers, faculty, staff, and students and among such groups and external individuals and agencies; and shall serve as Secretary of the President's Cabinet and of the Administrative Council.

11.1109. Executive Dean for Admissions and Registrations.*

Section 1. The Executive Dean for Admissions and Registrations shall be the executive head of the Office of Admissions and Registrations.

Section 2. The major area of responsibility and authority of the Executive Dean for Admissions and Registrations shall be that of the admission to and registration in the University of students. The Executive Dean for Admissions and Registrations shall, under the direction of the Vice President for Educational Services and with the approval of the President and the Board of Trustees be responsible and have the necessary authority for: the administration of the rules relating to the admission and registration of all students and in cooperation with the Vice President for Instruction and Dean of Faculties the preparation of the material for the academic bulletins and catalogs; the administration of the University policy relating to the residency of all students; the scheduling of University facilities including classrooms; the administration of the University cultural programs; the coordination of the administration of the motor vehicle parking and traffic regulations with the Commission of Traffic and Parking and the appropriate administrative officers of the University; and the maintenance of relationships with the North Central Association, Ohio College Association, and the secondary schools.

Section 3. The principal administrative officials of the Executive Dean for Admissions and Registrations shall be the Director of Admission; Registrar; and Manager of the Mershon Auditorium.

April 17, 1964 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

C. Amendment to the Rules for the University Faculty (continued)

Upon motion of Mr. Bricker, seconded by Mr. Davis, the amendments to the Rules for the University Faculty Nos. 11.1104, 11.1105, 11.1109 as recommended by the President were adopted by the Board of Trustees by a unanimous roll call vote. The Secretary was instructed and authorized to make such editorial changes in the By-Laws of the Board of Trustees of The Ohio State University and the Rules for the University Faculty as are required by virtue of the foregoing changes in Rules, administrative titles, and definitions of responsibility.

In addition to the foregoing personnel recommendations, it is recommended that all personnel changes since the February 14, 1964 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following additional faculty Appointment, Leaves of Absence With Salary, Leaves of Absence Without Salary, and Emeritus Titles.

D. Appointment

Leon M. Dorfman, Professor, Department of Chemistry, at a salary of \$15,168.00 per annum, effective October 1, 1964.

E. Leaves of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 12, 1954, the following-named persons are recommended for Leaves of Absence With Salary from the Agricultural Extension Service for the period indicated.

Harold D. McBurney, Instructor (County Extension Agent, 4-H) Ashland County, June 16, 1964 through July 31, 1964, to study at Colorado State University.

William W. Wharton, Instructor (Extension Specialist, Animal Science, Performance Testing), April 1, 1964 through June 15, 1964, to study at The Ohio State University.

F. Leaves of Absence Without Salary

Nancy K. Clatworthy, Assistant Professor, Sociology and Anthropology, April 1, 1964 through June 30, 1964, to pursue a lecture tour in Australia.

Russell W. Smith, Assistant Professor (Supervisor, 4-H Club Work), Ohio Cooperative Extension Service, April 1, 1964 through May 31, 1964, to study at Teachers College, Columbia University.

Ariadna Foureman, Instructor, Romance Languages, April 1, 1964 through June 30, 1964, to devote full time to working on the Ph.D. degree.

April 17, 1964 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

F. Leaves of Absence Without Salary (continued)

Edwin E. Zorn, Instructor (County Extension Agent, 4-H)
Warren County, Ohio Cooperative Extension Service,
March 16, 1964 through June 15, 1964, to study at The
Ohio State University.

G. Emeritus Titles

Thomas H. Langlois, Zoology and Entomology, with the
title Research Professor Emeritus, effective July 1, 1964.

John B. Brown, Physiological Chemistry, with the title
Professor Emeritus, effective July 1, 1964.

Leo G. Staley, Physical Education for Men, with the
title Professor Emeritus, effective July 1, 1964.

Jennette A. Stein, Physical Education for Women, with
the title Professor Emeritus, effective July 1, 1964.

Geneva H. Nolan, Ohio Cooperative Extension Service,
with the title Instructor (County Extension Agent, Home
Economics) Emeritus, effective November 1, 1963.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the additional faculty
Appointment, Leaves of Absence With Salary, Leaves of Absence Without
Salary, Emeritus Titles, and the personnel changes recorded in the official
"Salary Roll" of the University were approved unanimously by roll call vote,
and the Secretary was instructed to file these changes in the "Salary Roll"
with the official documents of the University.

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III. GENERAL CONTRACTS AND AGREEMENTS

A. The Ohio State University and
The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State
University and The Ohio State University Research Foundation approved by
this Board on September 5, 1950, it is recommended that the research
agreements for the following projects administered through the Research
Foundation be approved and recorded in the minutes of this meeting.

1. Government Contracts - Federal

- a-1. Department of Health, Education and Welfare, Public Health
Service, National Institutes of Health, Bethesda, Maryland,
for an Investigation of Deoxyribonucleoside and Related
Carcinolytes (to be known as National Institutes of Health Project
No. 759 - Ext. #7 - Department of Chemistry).
Gross Value - \$56,466.00.

April 17, 1964 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- a-2. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois, for an Investigation of Specific Heat Determinations of Pure, Solid Para Deuterium (to be known as U. S. Atomic Energy Commission Project No. 761 - Sup. #8 - Department of Chemistry).
Gross Value - \$34,115.00.
- a-3. Department of the Navy, Office of Naval Research, Washington, D. C., for an Investigation of Polynitro Aliphatic Synthesis (to be known as Office of Naval Research Project No. 783 - Amend. #11 - Department of Chemistry).
Gross Value - \$7,462.00.
- a-4. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Synthesis of Steroidal Alpha-diazoketones (to be known as National Institutes of Health Project No. 906 - Ext. #5 - Department of Chemistry).
Gross Value - \$20,319.00.
- a-5. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Constancy of Mandibular Rest Position (to be known as National Institutes of Health Project No. 907 - Ext. #5 - College of Dentistry).
Gross Value - \$9,541.00.
- a-6. Systems Engineering Group, Research and Technology Division, Wright-Patterson Air Force Base, Ohio, for Intermittent Research Analysis (to be known as Systems Engineering Group, Research and Technology Division Project No. 930 - Sup. #17 - RF Internal Supervision).
Gross Value - \$32,555.00.
- a-7. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for Midwest Cooperative Chemotherapy Group (to be known as National Institutes of Health Project No. 1094 - Ext. #4 - Department of Medicine).
Gross Value - \$15,492.00.
- a-8. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois, for an Investigation of High-Resolution Infrared Spectra of Tritium and Deuterium Substituted Molecules (to be known as U. S. Atomic Energy Commission Project No. 1098 - Sup. #4 - Department of Physics).
Gross Value - \$28,000.00.

April 17, 1964 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- a-9. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Synthesis of Polynuclear Aromatic Compounds (to be known as National Institutes of Health Project No. 1229 - Ext. #3 - Department of Chemistry).
Gross Value - \$27,120.00.
- a-10. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of the Factors Determining Cardiac Output in Man (to be known as National Institutes of Health Project No. 1254 - Ext. #3 - Department of Medicine).
Gross Value - \$16,976.00.
- a-11. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for Studies With Influenza Vaccination (to be known as National Institutes of Health Project No. 1257 - Ext. #3 - Department of Medicine).
Gross Value - \$25,565.00.
- a-12. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Self-administered Procedures in Speech and Hearing (to be known as National Institutes of Health Project No. 1414 - Ext. #2 - Department of Speech).
Gross Value - \$45,686.00.
- a-13. Systems Engineering Group, Research and Technology Division, Wright-Patterson Air Force Base, Ohio, for Research Studies on the Fluid Dynamics of High Enthalphy Flow (to be known as Systems Engineering Group, Research and Technology Division Project No. 1427 - Mod. #6 - Department of Aeronautical and Astronautical Engineering).
Gross Value - \$42,000.00.
- a-14. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Cardiac and Renal Dynamics (to be known as National Institutes of Health Project No. 1441 - Ext. #2 - Department of Veterinary Physiology and Pharmacology).
Gross Value - \$12,522.00.
- a-15. Department of Health, Education and Welfare, Bureau of State Service, Washington, D. C., for a Study of the Sulfide-to-Sulfate Reaction Mechanism (to be known as Bureau of State Service Project No. 1442 - Ext. #2 - Engineering Experiment Station).
Gross Value - \$19,780.00

April 17, 1964 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- a-16. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for A Study of Oscillatory Blood Flow (to be known as National Institutes of Health Project No. 1447 - Ext. #2 - Department of Physiology).
Gross Value - \$10,275.00.
- a-17. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for Distribution and Metabolism of Labeled Digitaloids (to be known as National Institutes of Health Project No. 1451 - Ext. #2 - Department of Physiological Chemistry).
Gross Value - \$16,189.00.
- a-18. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Nervous System Elements in Tissue Culture (to be known as National Institutes of Health Project No. 1457 - Ext. #2 - Departments of Pathology and Psychiatry).
Gross Value - \$26,192.00.
- a-19. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Postoperative Recovery Mechanisms and Retention (to be known as National Institutes of Health Project No. 1470 - Ext. #2 - Department of Psychology).
Gross Value - \$19,890.00.
- a-20. Sandia Corporation, P. O. Box 5800, Albuquerque, New Mexico, for Research Investigation of Uranium Corrosion (to be known as Sandia Corporation Project No. 1545 - C. O. #3 - Department of Metallurgical Engineering).
Gross Value - \$2,823.00.
- a-21. Systems Engineering Group, Research and Technology Division, Wright-Patterson Air Force Base, Ohio, for an Investigation of Plasma Noise Temperature Measurements (to be known as Systems Engineering Group, Research and Technology Division Project No. 1573 - Sup. #1 - Department of Electrical Engineering).
Gross Value - \$149,940.00.
- a-22. U. S. Army Biological Laboratories, Fort Detrick, Frederick, Maryland, for an Investigation of Mixed Aerosol Infections in Monkeys (to be known as U. S. Army Biological Laboratories Project No. 1576 - Mod. #6 - Department of Medicine).
Gross Value - \$9,000.00.

April 17, 1964 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- a-23. Classified Program (to be known as Classified Program Project No. 1579 - Sup. #2 - Department of Electrical Engineering).
Gross Value - \$199,000.00.
- a-24. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for A Study of Generalized Reinforcement (to be known as National Institutes of Health Project No. 1583 - Ext. #1 - Department of Psychology).
Gross Value - \$9,417.00.
- a-25. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois, for Support of K-Meson Experiments at the ZGS (to be known as U. S. Atomic Energy Commission Project No. 1596 - Mod. #1 - Department of Physics).
Gross Value - \$80,000.00.
- a-26. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for An Objective Evaluation of the Spreading Enzymes (to be known as National Institutes of Health Project No. 1599 - Ext. #1 - Department of Surgery).
Gross Value - \$19,936.00.
- a-27. Electronic Systems Division, AFSC, Laurence G. Hanscom Field, Bedford, Massachusetts, for Research Directed Toward the Analysis of Global and Special Gravity Measurements (to be known as Electronic Systems Division Project No. 1613 - Mod. #2 - Department of Geodetic Science).
Gross Value - \$99,959.00.
- a-28. Department of Navy, Office of Naval Research, Washington, D. C., for The Development of a Methodology for the Analysis of Complex Man-Machine Systems (to be known as Office of Naval Research Project No. 1643 - Amend. #3 - Engineering Experiment Station).
Gross Value - \$17,619.00.
- a-29. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of CO₂ Transients Associated with Hyper-ventilation (to be known as National Institutes of Health Project No. 1647 - Ext. #1 - Department of Physiology).
Gross Value - \$19,241.00.

April 17, 1964 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- a-30. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Chemical Characterization of Tyrosinase (to be known as National Institutes of Health Project No. 1654 - Ext. #1 - Department of Physiological Chemistry).
Gross Value - \$14,916.00.
- a-31. Systems Engineering Group, Research and Technology Division, Wright-Patterson Air Force Base, Ohio, for Research on Radiographic Techniques of Graphite Evaluation (to be known as Systems Engineering Group, Research and Technology Division Project No. 1663 - Sup. #1 - Department of Welding Engineering).
Gross Value - \$50,000.00.
- a-32. U. S. Army Biological Laboratories, Fort Detrick, Frederick, Maryland, for Investigations of the Nutritional Requirements for the Growth of Insect Tissues (to be known as U. S. Army Biological Laboratories Project No. 1684 - Mod. #2 - Department of Zoology and Entomology).
Gross Value - \$15,000.00.
- a-33. National Aeronautics and Space Administration, Washington, D. C., for Theoretical and Experimental Investigation of the Measurement of Angular Rotation With Photons (to be known as National Aeronautics and Space Administration Project No. 1760 - New - Department of Physics).
Gross Value - \$70,420.00.
- a-34. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Phenylalanine Metabolism in Phenylketonuria (to be known as National Institutes of Health Project No. 1770 - Ext. #1 - Department of Pathology).
Gross Value - \$11,304.00.
- a-35. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for Studies of Metabolic Defects in Accumulation Diseases (to be known as National Institutes of Health Project No. 1771 - Ext. #1 - Department of Pathology).
Gross Value - \$13,468.00.
- a-36. Classified Program (to be known as Classified Program Project No. 1774 - New - Department of Electrical Engineering).
Gross Value - \$100,000.00.

April 17, 1964 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- a-37. Base Procurement Division, EWPB, Building No. 120, Area C, Wright-Patterson Air Force Base, Ohio, for an Investigation of Nickel Matrix Cathode (to be known as Base Procurement Division Project No. 1791 - New - Department of Electrical Engineering). Gross Value - \$1,127.00.
- a-38. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Redox Chemistry of Cobalamins (to be known as National Institutes of Health Project No. 1792 - New - Department of Chemistry). Gross Value - \$16,000.00.
- a-39. Electronic Systems Division, AFSC, Laurence G. Hanscom Field, Bedford, Massachusetts, for Research Into the Scattering of Electromagnetic Energy from Highly Conducting Bodies (to be known as Electronic Systems Division Project No. 1793 - New - Department of Electrical Engineering). Gross Value - \$30,000.00.
- a-40. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 South Cass Avenue, Argonne Illinois, for an Investigation of the Cycling of CL³⁶ Labeled DDT in a Marsh Ecosystem (to be known as U. S. Atomic Energy Commission Project No. 1794 - New - Department of Zoology and Entomology). Gross Value - \$29,364.00.
- a-41. National Science Foundation, Washington, D. C., for an Investigation of the Evolution of Ecological Adjustment (to be known as National Science Foundation Project No. 1795 - New - Department of Slavic Languages and Literatures). Gross Value - \$31,100.00.
- a-42. Department of Health, Education and Welfare, Office of Education, Washington, D. C., Applicability of PERT to Educational Research and Development Projects (to be known as Office of Education Project No. 1796 - New - Bureau of Educational Research and Service). Gross Value - \$42,622.00.
- a-43. National Science Foundation, Washington, D. C., for an Investigation of Properties of Metals and Alloys Between 0.03 and 3°K (to be known as National Science Foundation Project No. 1798 - New - Department of Physics). Gross Value - \$12,500.00.

April 17, 1964 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- a-44. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Pathogenesis of Spontaneous Avian Atherosclerosis (to be known as National Institutes of Health Project No. 1800 - New - Department of Physiology).
Gross Value - \$8,220.00.
- a-45. Research and Development Procurement Office, U. S. Army Engineer Research and Development Laboratories, Fort Belvoir, Virginia, for an Investigation of Geodetic Control Without Triangulation, Trilateration or Gravity (to be known as U. S. Army Engineer Research and Development Laboratories Project No. 1802 - New - Department of Geodetic Science).
Gross Value - \$29,000.00.
- a-46. George C. Marshall Space Flight Center, National Aeronautical and Space Administration, Huntsville, Alabama, for an Investigation of Noise Generated by Internal and External Rocket Combustion Phenomena (to be known as George C. Marshall Space Flight Center Project No. 1803 - New - Department of Aeronautical and Astronautical Engineering).
Gross Value - \$70,000.00.
- a-47. Department of Navy, Bureau of Naval Weapons, Washington, D. C., for an Investigation of Electronic Polarization Control (to be known as Bureau of Naval Weapons Project No. 1804 - New - Department of Electrical Engineering).
Gross Value - \$30,000.00.
- a-48. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for Detection of Cancer Cells in Cadaver Blood (to be known as National Institutes of Health Project No. 1805 - New - Department of Pathology).
Gross Value - \$15,700.00.
- a-49. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Chemo- and Radiotherapy Treatment of Bladder Cancer (to be known as National Institutes of Health Project No. 1806 - New - Department of Surgery).
Gross Value - \$16,486.00.
- a-50. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Cardiovascular Adjustment Associated with Acclimatization (to be known as National Institutes of Health Project No. 1807 - New - Department of Physiology).
Gross Value - \$6,890.00.

April 17, 1964 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- a-51. National Science Foundation, Washington, D. C., for Symposium on Molecular Structure and Spectroscopy (to be known as National Science Foundation Project No. 1808 - New - Department of Physics).
Gross Value - \$3,335.00.
- a-52. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Quinones Related to 9,10-dimethyl-1,2-benzanthracene (to be known as National Institutes of Health Project No. 1809 - New - Department of Chemistry).
Gross Value - \$25,012.00.
- a-53. National Science Foundation, Washington, D. C., for an Investigation of Ecology of Some Antarctic Algae (to be known as National Science Foundation Project No. 1810 - New - Institute of Polar Studies).
Gross Value - \$23,700.00.
- a-54. National Science Foundation, Washington, D. C., for an Investigation of Glacial Geology of Upper Muir Inlet Area, Alaska (to be known as National Science Foundation Project No. 1813 - New - Institute of Polar Studies).
Gross Value - \$14,700.00.
- a-55. National Science Foundation, Washington, D. C., for an Investigation of Igneous-Metamorphic Geology of the Tasersiaq Area, Southwest, Greenland (to be known as National Science Foundation Project No. 1814 - New - Institute of Polar Studies).
Gross Value - \$9,900.00.

TOTAL - Government Contracts - Federal \$1,763,844.00

2. Industrial and Other Contracts

- a-1. The Firestone Tire and Rubber Company, Akron, Ohio, for an Investigation of Health Hazards of Certain Compounds and Products (to be known as The Firestone Tire and Rubber Company Project No. 246 - Ext. #18 - Department of Pathology).
Gross Value - \$28,056.00.
- a-2. University of Illinois, Business Office, Purchasing Division, 203 Administration Building E, Urbana, Illinois, for Transmission of Pulsed Radio Signals at 6.4MC/S (to be known as University of Illinois Project No. 473 - Mod. #36 - Department of Electrical Engineering).
Gross Value - \$1,830.00.

April 17, 1964 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

a-3. Shuler and Benninghofen, Hamilton, Ohio, for an Investigation of Reactions and Treatments of Wool to Improve Its Properties (to be known as Shuler and Benninghofen Project No. 632 - Ext. #10 - Department of Chemistry).
Gross Value - \$9,319.00.

a-4. Life Insurance Medical Research Fund, 345 East 46th Street, New York, New York, for an Investigation of Factors Influencing Cardiac Output in Man (to be known as Life Insurance Medical Research Fund Project No. 1324 - Ext. #1 - Department of Medicine).
Gross Value - \$11,000.00.

a-5. American Cancer Society, Inc., 219 East 42nd Street, New York, New York, for Cancer Research (to be known as American Cancer Society, Inc. Project No. 1799 - New - Department of Pathology).
Gross Value - \$35,000.00.

a-6. Central Ohio Heart Association, 3416 North High Street, Columbus, Ohio, for Area Research Grant in Cardiovascular Disease (to be known as Central Ohio Heart Association Project No. 1811 - New - Department of Pharmacology).
Gross Value - \$7,350.00.

a-7. Central Ohio Heart Association, 3416 North High Street, Columbus, Ohio, for Area Research Grant in Cardiovascular Disease (to be known as Central Ohio Heart Association Project No. 1812 - New - Department of Medicine).
Gross Value - \$3,150.00.

TOTAL - Industrial and Other Contracts \$95,705.00

The foregoing sixty-two contracts for research in cooperation with Government, Industry and Other represent a gross income of \$1,859,549.00.

Upon motion of Mr. Jones, seconded by Mr. Dargusch, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were approved by unanimous consent.

B. The Report of the Research Contracts
from the Engineering Experiment Station

During the period from February 1, 1964 through April 3, 1964, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record.

April 17, 1964 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts
from the Engineering Experiment Station

1. Government Research Contracts

EES 241 Potential Uses of Sonic and Ultra-Sonic Devices in Highway
 Construction, National Academy of Sciences, Highway
 Research Board, Washington, D. C.
 Gross Value - \$24,960.00.

SC 36 Short School for Water and Sewage Plant Operators, Ohio
 Department of Health, Ohio Departments Building,
 Columbus, Ohio.
 Gross Value - \$3,280.00.

TOTAL - Government Research Contracts \$28,240.00

2. Industrial Research Contract

EES 224 A Study of the Economics of Ice and Snow Removal in the
Ext. #2 Urban Areas, American Public Works Association,
 Research Foundation, Philadelphia 4, Pennsylvania.
 Gross Value - \$3,000.00.

The foregoing three contracts for research in the Engineering Experiment
Station represent a gross income of \$31,240.00.

C. Agreement Between the College of Medicine of The Ohio State University
and Children's Hospital for an Affiliate Teaching Program

To enhance the instructional program of students in the College of Medicine,
the Dean of the College of Medicine recommends that an agreement be
executed between the Children's Hospital of Columbus and the College of
Medicine of The Ohio State University. The professional staff of Children's
Hospital, who are also members of the faculty of the College of Medicine,
will collaborate in the teaching of students of the College of Medicine in a
private hospital.

The Board of Trustees of Children's Hospital has indicated its willingness
to participate in an affiliate teaching program, and it is therefore recom-
mended that the President be authorized to sign such an agreement on behalf
of the University effective immediately, with the understanding that there is
no financial obligation on the part of the University.

Upon motion of Mr. Allyn, seconded by Mr. Ketterer, the Board of Trustees by
a unanimous roll call vote authorized the President to sign an agreement between
the College of Medicine of The Ohio State University and Children's Hospital for
an affiliate teaching program.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

D. Agreement Between the College of Medicine of The Ohio State University and St. Anthony's Hospital for an Affiliate Teaching Program

To enhance the instructional program for postdoctorate students pursuing a course of resident training in surgery in the College of Medicine, the Dean of the College of Medicine has proposed that an agreement be executed between St. Anthony's Hospital and the College of Medicine of The Ohio State University whereby surgical residents will be given an opportunity to gain experience in the care and treatment of patients at St. Anthony's Hospital; thus, the professional staff of St. Anthony's Hospital, who are members of the faculty of the College of Medicine, will collaborate in the teaching of The Ohio State University surgical residents in a private hospital.

Should such an agreement be approved, it is expected that beginning July 1, 1964, a select number of surgical residents of the Department of Surgery of the College of Medicine would spend a portion of their time at St. Anthony's Hospital. The surgical residents would be rotated so that eventually the entire group would have had an opportunity to share in this learning experience.

The Board of Trustees of St. Anthony's Hospital has indicated its willingness to participate in an affiliate teaching program, and it is therefore recommended that the President be authorized to sign such an agreement on behalf of the University with the understanding that there is no financial obligation on the part of the University.

Upon motion of Mr. Rairdon, seconded by Mr. Davis, the Board of Trustees by a unanimous roll call vote authorized the President to sign an agreement between the College of Medicine of The Ohio State University and St. Anthony's Hospital for an affiliate teaching program.

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IV. GRANTS AND GIFTS

The following grants and gifts to the University, including the establishment of certain memorial funds, are hereby reported for the record and appropriate expressions of appreciation have been conveyed.

A. Administered Through the Office of Business and Finance

1. \$78,688.00 granted by the National Science Foundation to the University for support of "Sixteen Graduate Traineeships in Engineering distributed as follows: two in Aeronautical, one in Ceramic, two in Chemical, four in Electrical, three in Metallurgical, one in Sanitary and three in a field of engineering to be determined by the grantee institution," under the direction of Edward Q. Moulton, Associate Dean, Graduate School. This grant terminates on September 30, 1965. (GE-4790)
2. \$27,900.00 granted by the National Science Foundation to the University for support of an "Academic Year Institute in Science and Mathematics for Secondary School and College Teachers of Science and Mathematics," under the direction of Dr. John S. Richardson, Department of Education. (GE-3388 - Amendment No. 1)

April 17, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

3. \$25,000.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Undergraduate Clinical Training," under the direction of Dr. James V. Warren, Department of Medicine, for the period March 1, 1964 through February 28, 1965. (Grant 5 T2 HE 5035-11)
4. \$17,250.00 from the Alfred P. Sloan Foundation, 630 Fifth Avenue, New York, New York 10020, to the University for the Alfred P. Sloan Research Fellowship for Dr. James R. Gaines, Department of Physics.
5. \$13,988.99 from The American Medical Association Fund to the College of Medicine for medical education.
6. \$12,839.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Ventricular Activation and Chronic Congestive Heart Failure," under the direction of Dr. Robert L. Hamlin, Department of Veterinary Physiology and Pharmacology, for the period April 1, 1964 through March 31, 1965. (Grant 5-K3-HE-13,524-02)
7. \$10,860.00 granted by the National Science Foundation to the University for support of an "In-Service Institute in Physics for Secondary School Teachers of Science and Mathematics," under the direction of Professor William R. Riley, Department of Physics. This grant terminates June 30, 1965. (GE-4408)
8. \$4,180.00 granted by the National Science Foundation to the University for support of an "In-Service Institute in Mathematics for Secondary School Teachers of Mathematics," to be held at Marion under the direction of Professor Harold C. Trimble, Department of Education. This grant terminates June 30, 1965. (GE-4633)
9. \$3,580.00 granted by the National Science Foundation to the University for support of an "In-Service Institute in Mathematics for Elementary School Personnel," to be held at Marion under the direction of Professor Harold C. Trimble, Department of Education. This grant terminates June 30, 1965. (GE-4630)

TOTAL - Through the Office of Business and Finance \$194,285.99

B. Received Through the Development Fund

1. \$29,091.34 from Russell Horn and H. Claude Peer, representing a bequest under the Will of Claudia L. Melick, deceased, for the Cyrus A. Melick Memorial Fund.

April 17, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

1. Cyrus A. Melick Memorial Fund (continued)

Cyrus A. Melick Memorial Fund

The Cyrus A. Melick Memorial Fund was established March 11, 1964, by a bequest from Claudia L. Melick, deceased, made in memory of her deceased husband, Cyrus A. Melick (C.E. '03, D.C.E. '11). The principal is to be invested under rules and regulations adopted by the Board of Trustees of The Ohio State University with right to invest and reinvest as occasion dictates. The income is to be used for scholarships in Civil Engineering to be awarded under the direction of the Board of Trustees of The Ohio State University in such amounts and to such students as it shall determine or direct. In addition to the use of the income the principal may be invaded for the same use as the income if the Board of Trustees shall so determine. Scholarships from this fund may be made available to freshmen who have finished high school with high standing in their studies.

2. \$21,000.00 from Procter and Gamble Company, Cincinnati, Ohio, for research and fellowships in the College of Dentistry.
3. \$17,000.00 from the Estate of Clara Ewalt, representing a bequest under Item 7 of the Last Will and Testament of Clara Ewalt, to establish The Clara Ewalt Memorial Scholarship Fund.

The Clara Ewalt Memorial Scholarship Fund

The Clara Ewalt Memorial Scholarship Fund was established April 10, 1964, by a bequest under Item 7 of the Last Will and Testament of Clara Ewalt, B.Ph. '01, M.A. '03.

The principal is to be invested in accordance with Sec. 3345.16 G. C.

The candidates shall be chosen by a board composed of the Dean of the College of Arts and Sciences, the Secretary of the Board of Trustees, and the President of the University. Recommendations for awards may be made by any college or department. Scholarship awards should only be made to students of superior character and outstanding scholastic ability who give promise of future usefulness to society and who would be unable financially, except for the scholarship grant, to commence or complete a complete college educational program. Scholarship grants shall be made for a period of one year only but any successful candidate shall be eligible for renewal of the grant if he or she successfully performed during the preceding academic year.

The said scholarship board shall have the authority to grant any number of scholarships it, in its discretion, considers advisable during any year and may, if it so elects, refrain from granting any scholarship for any period. In any year in which no scholarship is granted the income for that year shall be added to the principal.

April 17, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

3. The Clara Ewalt Memorial Scholarship Fund (continued)

The following charge is placed upon the use of the income. Should any child or grandchild of Russell Ewalt qualify for admission to The Ohio State University then such person shall receive a grant equivalent to the total scholarship award and shall receive the same as long as he or they are in good standing at The Ohio State University. If more than one child or grandchild of Russell Ewalt is enrolled at the University at the same time, there shall be a division of the income from this fund so that each such child enrolled shall receive an equal amount each year. This grant-in-aid to children or grandchildren of Russell Ewalt shall extend from the first year of undergraduate study through graduate study.

4. \$10,000.00 from the Bremer Foundation, Youngstown, Ohio, for research in medicine.
5. \$8,517.00 from the Charles F. High Foundation, Bucyrus, Ohio, for scholarships.
6. \$8,482.00 from the Trust under the Will of Anna Roessler for scholarships in the College of Medicine.
7. \$8,000.00 from Children's Hospital, Columbus, Ohio, for research in child development by the Department of Pediatrics.
8. \$7,000.00 from Esso Research and Engineering Company--\$3,500.00 for support of graduate research in the Department of Chemical Engineering and \$3,500.00 for support of graduate training and research in the Department of Chemistry.
9. \$7,000.00 from the Estate of Ella Pontius, to the College of Medicine, University Hospital Emergency Fund.
10. \$7,000.00 from The General Foods Fund, Inc., New York, New York, for fellowships in the School of Home Economics.
11. \$6,000.00 from the Roche Anniversary Foundation, Montclair, New Jersey, for research in the Department of Chemistry.
12. \$5,000.00 from Wyeth Laboratories, Philadelphia, Pennsylvania, to the College of Medicine, University Hospital Emergency Fund.
13. \$5,000.00 from The Sears Roebuck Foundation, Chicago, Illinois, for the National Center for Advanced Study and Research in Agricultural Education.
14. \$4,634.00 from the Grace High Washburn Trust for undergraduate scholarships.

April 17, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

15. \$4,200.00 from the Alfred P. Sloan Foundation for the Alfred P. Sloan Scholarship Fund.
16. \$3,875.00 from Theodore N. Beckman to be added to the Theodore N. Beckman Fund for Research in Marketing. (The total in this fund is \$10,000.00.)
17. \$3,000.00 from Minnesota Mining and Manufacturing Company for "3M" Fellowship in Ceramic Engineering.
18. \$3,000.00 from Ethicon, Inc. for research in the Department of Obstetrics and Gynecology.
19. \$2,700.00 from Everett D. Reese for the Everett D. Reese Scholarship and Loan Fund.
20. \$2,500.00 from Dorothy H. and Lewis Rosenstiel Foundation for the Heart Holding Fund.
21. \$1,650.00 from Mrs. William M. MacNevin to be added to the William Marshall MacNevin Memorial Fund.
22. \$1,500.00 from Universal Oil Products Company, Des Plaines, Illinois, for a scholarship program for students in the Department of Chemical Engineering--\$1,000.00 to be used to continue the UOP scholarships for upperclassmen and the balance to be used for any purpose the Department may deem worthwhile.
23. \$1,300.00 from Medical Research Consultants, Inc. for research in the Department of Obstetrics and Gynecology.
24. \$1,000.00 from The Mead Corporation Foundation--\$500.00 to the College of Commerce and Administration and \$500.00 to the College of Engineering.
25. \$1,000.00 from Helen S. Bernstein, widow of Louis G. Bernstein, for the Louis G. Bernstein Memorial Fund.

Louis G. Bernstein Memorial Fund

The Louis G. Bernstein Memorial Fund was established February 1, 1964, by a gift through the Development Fund from Helen S. Bernstein, widow of Louis G. Bernstein, B.Sc. in Bus. Adm. '20, in his memory.

The principal and any additions thereto are to be invested in accordance with rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

April 17, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

25. Louis G. Bernstein Memorial Fund (continued)

The income is to be used for scholarships to deserving students of good character and need shall be a factor. It is my wish that these scholarships be awarded to students specifically interested in cancer research whenever possible, it being understood that this is a request only and not a directive. In any year when such a student is not available the scholarship or scholarships may be awarded to any student at the University who has need and who qualifies for a scholarship academically under University regulations.

26. \$1,000.00 from William R. Kenan, Jr., Lockport, New York, to establish the John F. Lyman Memorial Scholarship Fund. (The purpose for the fund is to be designated later.)
27. \$1,000.00 from John Dana Cole for deposit in the University's Unrestricted Endowment Fund.
28. \$1,000.00 from Clyde G. Conley for the Clyde G. Conley Memorial Fund in Engineering.
29. \$1,000.00 from John F. Jones for College of Law Student Financial Aids Fund.
30. \$1,000.00 from the Erie County Cancer Society for cancer research.
31. \$1,000.00 from Leo Yassenoff for the College of Law Emergency Fund.

TOTAL - Through the Development Fund \$175,449.34

C. Gift-in-Kind

1. A gift of equipment from Herbert D. Woolf, O.D., to the School of Optometry. (Appraised at \$1,000.00)

Upon motion of Mr. Rairdon, seconded by Mr. Davis, the above report of grants and gifts, including the establishment of certain memorial funds, was accepted by unanimous vote, and the Secretary was instructed to include the report in the minutes of this meeting.

D. Report from The Ohio State University Development Fund

1. February, 1964

In February, 1964, The Ohio State University Development Fund received gifts on behalf of the University as follows:

April 17, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

D. Report from The Ohio State University Development Fund (continued)

1. February, 1964 (continued)

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	296	\$ 28,866.37
Individuals, other than alumni	76	5,831.53
Nonprofit organizations	31	27,612.50
Business concerns	22	46,401.90
	<u>425</u>	<u>\$108,712.30</u>

Of these gifts, 144 for \$1,065.25 were undesignated and 281 for \$107,647.05 were designated.

2. March, 1964

In March, 1964, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	16,540	\$119,202.62
Individuals, other than alumni	53	2,257.50
Nonprofit organizations	46	106,844.10
Business concerns	13	17,076.22
	<u>16,652</u>	<u>\$245,380.44</u>

Of these gifts, 14,946 totaling \$90,476.75 were undesignated and 1,706 totaling \$154,903.69 were designated.

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V. APPROPRIATIONS AND TRANSFER OF FUNDS

A. Orientation Program for New Faculty

Upon the recommendation of Dr. Frederic Heimberger, Vice President for Instruction and Dean of Faculties, and with the concurrence of the President's Cabinet, it is recommended that an amount not to exceed \$600.00 be appropriated from the University Treasurer General Fund to the Committee on Orientation of New Faculty Members, for the purpose of defraying the expenses for this orientation program.

Upon motion of Mr. Bricker, seconded by Mr. Ketterer, the above recommendation for appropriation of funds was approved by a unanimous roll call vote.

April 17, 1964 meeting, Board of Trustees

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

B. Annual Recognition Dinner - May 11, 1964

Upon the request of the Executive Director for University Relations, and with the concurrence of the Committee on Recognitions, it is recommended that the annual Recognition Dinner for faculty and staff, sponsored by the Board of Trustees, be held on Monday, May 11, 1964, at 6:15 p.m., in the Ohio Union, and that a sum not to exceed \$3,450.00 be appropriated from Endowment 4002 for expenses.

Upon motion of Mr. Davis, seconded by Mr. Ketterer, the appropriation of \$3,450.00 for the annual Recognition Dinner was approved by a unanimous roll call vote.

C. Appropriation for Completion of Research Project - "Research Space, East Side of Stadium - Phase II"

At the request of the Vice President for Research, and with the concurrence of the Vice President for Business and Finance and the President's Cabinet, it is recommended that \$7,200.00 be allocated from the University Treasurer Research Subaccount (b) to complete Rooms 109L and 110L and for painting and floor tile for six additional rooms of the project, "Research Space, East Side of Stadium, Phase II."

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendation for appropriation of funds was approved by a unanimous roll call vote.

D. Improvements to Fifth Avenue Dam Across the Olentangy River Between Fifth and King Avenues

On December 13, 1963, the Board of Trustees approved the plans and specifications for this project with the funds to be provided from the proceeds of Issue No. 1.

It has been determined that funds will not be released from S. B. 370 for this purpose, and it is therefore recommended that an amount not to exceed \$110,000.00 be appropriated from the University Treasurer General Fund for the purpose of raising the crest of the existing Fifth Avenue Dam eighteen inches and to make minor repairs to the existing spillway, apron and abutments. The increased pool capacity will benefit the present University power and heating facilities and provide a water plane through the area to be occupied by the Center for Tomorrow.

Upon motion of Mr. Loop, seconded by Mr. Jones, the above recommendation was approved by unanimous roll call vote.

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April 17, 1964 meeting, Board of Trustees

VI. EXTRA AND CREDIT ORDERS AND EXTENSIONS OF TIME TO CONTRACTS

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra and Credit Orders to Contracts and Extensions of Time for completion of contracts as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated.

A. Miami University - The Ohio State University - Dayton Campus, Phase I

1. General Contract

- a. It is recommended that panic hardware be installed on certain pairs of "B" labeled doors--Nos. 112, 113, 120, 201, 208, 301, 308, 401 and 403. Add \$2,328.15
- b. Music Room #11. Enlarge this area by including a bay from the adjoining storage room. Provide new flooring and ceiling in Col. Row Bay H to J and 5 to 6; new door, frame and hardware for Door 19 same as Door 13; paint concrete walls in Col. Row J from Col. 5 to 6 and Col. Row 6 from Col. H to J; and provide a coat rack on concrete block wall in Col. Row 6. Add \$1,595.77

2. Mechanical Contract

- a. Music Room #11. Provide additional sheet metal work and insulation in connection with the revisions in Item 1-b. Add \$ 520.00

3. Electrical Contract

- a. Music Room #11. Provide additional electrical fixtures, boxes, conduit and fittings, wire and devices and plates. Add \$ 931.00

Funds for these extra orders in the amount of \$5,374.92 are provided in Budget Account 91017.

B. Repairs to Rooms 473, 476, 478, 479 and N-729, University Hospital

1. Plumbing Contract

- It is recommended that one additional oxygen outlet and two additional vacuum outlets be provided, mounted in the console panels in each of Operating Rooms #473 and #479; and that 16 custom-made machined adapters be provided for all new oxygen and vacuum outlets in lieu of adapters as specified. Add \$ 817.55

April 17, 1964 meeting, Board of Trustees

VI. EXTRA AND CREDIT ORDERS AND EXTENSIONS OF TIME TO CONTRACTS
(continued)

B. Repairs to Rooms 473, 476, 478, 479 and N-729, University Hospital
(continued)

2. Electrical Contract

It is recommended that the following changes
be made:

- a. Provide 8" x 1-1/2" Walker electric ducts
below the finished floors in Operating
Rooms 473 and 479 connecting console
panels at each side of each room with a
terminal panel in the corridor. This
work will provide for future installation
of surgical monitoring devices and should
be done before the floor fill and finished
floors are installed. Add \$1,433.30.
- b. In lieu of reinstalling existing clock in
Room 478, provide a new synchronized
clock, similar to those in the other
Operating Rooms. This clock will be tied
in with the existing hospital synchronization
system. Add \$175.00.
- c. Install the motorized dimmer switches for
lights in Room 476 in the corridor drinking
fountain recess instead of in Room 472
where explosive gases will be worked with
and stored. This change will eliminate
the danger of sparking from the switches.
Add \$27.00.

Total addition \$1,635.30

Funds for these extra orders in the amount of \$2,452.85 will be provided
from the University Hospital Rotary.

C. Research Space - East Side of Stadium (Phase II)

General Contract

It is recommended that movable metal office-
type partitions be provided in Rooms 109L
and 110L; asphalt tile flooring, rubber base
and wall painting be provided in Rooms 108L,
108M, 108N, 108P, 108R, 108S, 109L and
110L; and seal the openings at six of the
original Stadium columns at the 752.08' level
with 3" of concrete.

Add \$3,074.43

Funds for this extra order are available in Budget Account 91020.

April 17, 1964 meeting, Board of Trustees

VI. EXTRA AND CREDIT ORDERS AND EXTENSIONS OF TIME TO CONTRACTS
(continued)

D. Student Housing, Building No. 12 (Drackett Tower)

Electrical Contract

It is recommended that an additional cable be provided between Building No. 12 and Building No. 6 and additional oil switches be provided in each building on the primary electric distribution system. These changes will permit the eventual completion of a cable loop in the North Dormitory Complex which will permit feeding electricity to the entire area through either of the two present feeders.

Add \$8,429.00

Funds for this extra order are available in the Dormitory Construction Fund.

E. Addition to Antenna Laboratory

Electrical Contract

It is recommended that feeders, outlets, wiring and main breakers for special services at Laboratory Panels be provided as specified in Alternate E-1.

Add \$9,652.00

Funds for this extra order are available in Budget Account 91019.

F. Replacement of Contagious Wing Incinerator, University Hospital

Because of a delay in the receipt of Controlling Board approval, it is recommended that an extension of time for completion of the contract be granted for this project from April 1, 1964 to July 1, 1964.

Upon motion of Mr. Jones, seconded by Mr. Davis, the above recommendation was approved by unanimous roll call vote.

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VII. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of materials and estimates of cost for the following projects be approved by the Board of Trustees:

April 17, 1964 meeting, Board of Trustees

VII. PLANS AND SPECIFICATIONS (continued)

- A. The following projects are part of the scheduled annual maintenance program and are funded from the Maintenance Account in H. B. 711.

1. Exterior Painting of Twenty-Two Buildings
2. Interior Painting and Patch Plastering of Five Buildings
3. Wall Washing Five Buildings
4. Repairs to Curbs on the Streets on Campus
5. Repairs to Exterior Masonry of Ten Buildings
6. Repairs to Roofs on Seven Buildings
7. Repair and Resurface Sidewalks on Campus
8. Repair Streets and Parking Areas on Campus

- B. Repairing and Patching a Portion of the Exterior Concrete Surface of the Stadium

Funds for this project are provided in the Athletic Department Revenue Fund.

- C. Stadium Press Box Elevator

This project provides a new shaft and elevator on the outside of the west side of the Stadium.

Funds for this project are available in the Athletic Department Revenue Fund.

- D. Addition and Alterations to George Wells Knight International Student Center

This project includes the addition of an assembly room to the house and interior renovations.

Funds for this project are available in Budget Account 21272 International Student Center Program.

Upon motion of Mr. Ketterer, seconded by Mr. Bricker, the above recommendation was approved by unanimous roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter will be reported to the Board of Trustees at a later meeting.

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April 17, 1964 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contracts for the following projects have been recommended for award and the action is hereby reported to the Board:

A. Repair of Electrical Distribution and Lighting in Botany and Zoology Building, Derby Hall, Hamilton Hall, Page Hall and Stillman Hall

Bids were received on February 14, 1964 for this project and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(9 bids received)		
Pence Electric Company (Columbus)	\$121,000.00	\$184,000.00

Funds for this project are provided in Department 2355, Budget Account 12350, H. B. 711.

B. Highway Testing Laboratory Remodeling

Bids were received on March 5, 1964 for this project and the award of contracts recommended to the lowest and best bidders as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(12 bids received)		
C. C. Vogel (Columbus)		
Base Bid	\$137,736.00	\$135,000.00
Alt. G-3 Site Improvement in Court	12,692.00	9,000.00
Alt. G-4 Site Improvement at Entrances	1,228.00	1,750.00
Total Contract	<u>\$151,656.00</u>	<u>\$145,750.00</u>

<u>Plumbing Contract</u>		
(5 bids received)		
Piping Contractors (Columbus)		
Base Bid	\$ 17,903.00	\$ 25,300.00
Alt. P-2 Vacuum Cleaning System	3,037.00	3,500.00
Total Contract	<u>\$ 20,940.00</u>	<u>\$ 28,800.00</u>

<u>Heating and Ventilating Contract</u>		
(7 bids received)		
Limbach Co. (Columbus)		
Base Bid	<u>\$ 92,332.00</u>	<u>\$ 98,952.00</u>

<u>Electrical Contract</u>		
(8 bids received)		
Blum & Son Electric Co. (Columbus)		
Base Bid	\$ 44,700.00	\$ 54,000.00
Alt. E-2 Service for Vacuum System	223.00	800.00
Total Contract	<u>\$ 44,923.00</u>	<u>\$ 54,800.00</u>

<u>Total Contracts</u>	<u>\$309,851.00</u>	<u>\$328,302.00</u>
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Funds for this project are provided in Item 022, S. B. 370, when they are released.

April 17, 1964 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

C. Renovation of Building for Dormitory Central Food Facility (Phase I)

Bids were received on March 17, 1964 for this project and all bids for the Refrigeration Contract and the Plumbing Contract rejected. These two divisions were readvertised with bids received on March 31, 1964. The recommendation for award of contracts are as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract (3-17-64)</u> (6 bids received)		
A. L. Meyer Construction Co. (Columbus)	\$ 15,603.00	\$ 27,500.00
<u>Electrical Contract (3-17-64)</u> (5 bids received)		
Mid City Electric Co. (Columbus)	35,290.00	55,000.00
<u>Refrigeration Contract (3-31-64)</u> (3 bids received)		
Koppers Co. Inc. (Detroit, Michigan)	183,074.00	204,807.00
<u>Plumbing Contract (3-31-64)</u> (1 bid received)		
Piping Contractors, Inc. (Columbus)	10,185.00	11,000.00
Total Contracts	<u>\$244,152.00</u>	<u>\$298,307.00</u>

Funds for this project will be provided from Account 86291 General Dormitory Fund, University Treasurer Account.

D. Stadium Press Box Elevator

Bids were received for this project on April 7, 1964 and the award of contracts recommended as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (7 bids received)		
Pendleton Construction Co. (Columbus)	\$ 68,743.00	\$ 85,000.00
<u>Electrical Contract</u> (3 bids received)		
McCarty Bros. Electric Co. (Columbus)	2,560.00	5,000.00
Total Contracts	<u>\$ 71,303.00</u>	<u>\$ 90,000.00</u>

Funds for this project will be provided from the Athletic Department Revenue Fund.

Upon motion of Mr. Allyn, seconded by Mr. Bricker, the above award of contracts and expenditure of funds were approved and the action of the Vice President, Business and Finance, ratified by unanimous roll call vote.

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April 17, 1964 meeting, Board of Trustees

IX. CONTROLLING BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

- 67 Approves the expenditure of \$7,300.00 from Maintenance Account 200, H. B. 711, for the project "Starling Loving Hall - Window Repairs."
- 68 Approves the expenditure of \$21,700.00 from Maintenance Account 200, H. B. 711, for the project "McPherson Laboratory - Window Repairs."
- 71 Approves the expenditure of \$122,000.00 from Maintenance Account 200, H. B. 711, for the project "Repair of Electrical Distribution and Lighting in Botany and Zoology Building, Derby Hall, Page Hall, Hamilton Hall and Stillman Hall."
- 76 Authorizes 10-day advertising for the project "Stadium Press Box Elevator."

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X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Employment of Engineer - Materials Engineering and Science Building

It is recommended that the engineering firm of Fling & Eeman, Inc., be employed to provide professional engineering services for the structural system, including design calculations, drawings, specifications, estimate of cost, checking shop drawings, and consultation and supervision during construction on unusual or unexpected problems.

The fee for this service will be 0.85 per cent of the cost of the General Contract or an estimated \$6,375.00. Funds are available in Item No. 002, S. B. 370, for this project and the employment of this firm as stated above is subject to the release of the funds necessary for their fee.

Upon motion of Mr. Rairdon, seconded by Mr. Ketterer, the above recommendation was approved by unanimous roll call vote.

B. Demolition of Buildings

Upon the request of the Vice President, Business and Finance, and with the concurrence of the Cabinet, it is recommended that all buildings located on the following property be demolished as soon as practical:

Structure at 2570 Hardin Street,
(River Road Dormitory No. 12)

This demolition will be accomplished in the normal University manner.

Upon motion of Mr. Bricker, seconded by Mr. Rairdon, the above recommendation was approved by unanimous roll call vote.

April 17, 1964 meeting, Board of Trustees

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

C. Withdrawal from Dividend Reserve on Group Life Insurance

It is recommended that Vice President Carson be authorized to make application to John Hancock Mutual Life Insurance Company for the withdrawal of \$55,000.00 from the dividend reserve account on Group Life Insurance Policy No. 1305-G in order to make expenditures for supplemental retirement benefits to our emeriti in accordance with Board action of July 10, 1959; for major medical coverage for emeriti in accordance with Board action of April 10, 1959; and death benefits as approved by action of the Board of Trustees on July 11, 1955.

Upon motion of Mr. Davis, seconded by Mr. Ketterer, the above recommendation was approved by unanimous roll call vote.

D. Purchase of Buildings and Property, 385 West Tenth Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Alice M. Bratton at a price of \$17,500.00:

Property known as 385 West Tenth Avenue, being
Lot #37, Elizabeth King's Olentangy Subdivision,
City of Columbus, County of Franklin, State of Ohio.

The purchase will be consummated when funds are made available in Item 015 College of Medicine - Land, S. B. 370.

Upon motion of Mr. Jones, seconded by Mr. Loop, the above recommendation was approved by unanimous roll call vote.

E. Purchase of Buildings and Property, 1631 Perry Street

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Alden R. Winter and Ethel F. Winter at a price of \$35,500.00:

Property known as 1631 Perry Street, being
128' x 100' on Perry Street Tract, McMillin's
Partition, City of Columbus, County of Franklin,
State of Ohio.

This purchase will be consummated when funds are made available in Item 015 College of Medicine - Land, S. B. 370.

Upon motion of Mr. Jones, seconded by Mr. Loop, the above recommendation was approved by unanimous roll call vote.

April 17, 1964 meeting, Board of Trustees

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

F. Purchase of Buildings and Property, 124-126 West Frambes Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Lawrence C. Grener at a price of \$12,750.00:

Property known as 124-126 West Frambes Avenue,
being Lot #172, R. P. Woodruff's Agricultural
College Addition, City of Columbus, County of
Franklin, State of Ohio.

Purchase will be consummated as soon as funds are available from S. B. 370 or other authorized sources of funds designated for this purpose.

Upon motion of Mr. Jones, seconded by Mr. Loop, the above recommendation was approved by unanimous roll call vote.

G. Purchase of Buildings and Property, 146-148 West Frambes Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Frederick C. McGillivray at a price of \$15,000.00:

Property known as 146-148 West Frambes Avenue,
being Lot #178, R. P. Woodruff's Agricultural
College Addition, City of Columbus, County of
Franklin, State of Ohio.

Purchase will be consummated as soon as funds are available from S. B. 370 or other authorized sources of funds designated for this purpose.

Upon motion of Mr. Jones, seconded by Mr. Loop, the above recommendation was approved by unanimous roll call vote.

H. Purchase of Property - Lots No. 111, 112, 113, 170, 171, 173, 174, 175, 176, 177, 187 and 188 of R. P. Woodruff's Agricultural College Addition, Columbus, Franklin County, Ohio

President Fawcett presented the following resolution for consideration by the Board of Trustees:

WHEREAS, The Ohio State University has acquired certain parcels of real property located north of Woodruff Avenue and to this extent has extended its northerly boundary north of Woodruff Avenue; and

WHEREAS, the University, in planning to meet a portion of the needs of its students and its programs from the standpoint of dormitory, educational, research and service facilities, will be required to acquire most, if not all, of the land lying between Woodruff Avenue on the south, Tuttle Park Place on the west, Lane Avenue on the north and High Street on the east; and

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

H. Purchase of Property - Lots No. 111, 112, 113, 170, 171, 173, 174, 175, 176, 177, 187 and 188 of R. P. Woodruff's Agricultural College Addition, Columbus, Franklin County, Ohio (continued)

WHEREAS, the University has a general development plan for the area which has been approved and in which sites for the North Dormitory Project Buildings have been established; and

WHEREAS, Section 3345.07 Ohio Revised Code provides for the construction and operation of dormitories for students and faculty, including acquisition of sites, by the Board of Trustees of The Ohio State University; and

WHEREAS, the University has arranged for the necessary financing for construction and detailed construction drawings and specifications are being completed; and

WHEREAS, the Trustees of The Ohio State University deem that suitable new dormitory facilities are mandatory in meeting the needs of the University and serving the people of the State of Ohio; and, therefore, find it necessary to proceed with the acquisition of real property therefor; and

WHEREAS, said Board of Trustees acting through the Office of Business and Finance of the University has been negotiating for the purchase of said real estate hereinafter set forth;

NOW BE IT RESOLVED, that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following described real estate as soon as funds are available from S. B. 370 or other authorized sources of funds designated for this purpose and, in the event negotiation should fail, that pursuant to his statutory authority, the Director of Public Works for and on behalf of said Board of Trustees be requested to take steps to acquire by condemnation, for the State of Ohio and said University, those parcels of the real estate not acquired through negotiation.

1. Lot No. 111 and 5' x 77' of Lot No. 112, R. P. Woodruff's Agricultural College Addition, Columbus, Franklin County, Ohio, and commonly known as 121 West Frambes Avenue. Owner of record is Arthur R. and Bessie King.
2. Being the south 83' of Lots No. 112 and 113, R. P. Woodruff's Agricultural College Addition, Columbus, Franklin County, Ohio, and commonly known as 2085-93 Peasley Street. Owners of record are Thomas Hartzler, Florence Slagle, John L. Penry, Audrey Dudley, John G. Vermillion and Harold K. Hull.
3. Being the north 55' x 77' of Lots No. 112 and 113, R. P. Woodruff's Agricultural College Addition, Columbus, Franklin County, Ohio, and commonly known as 111-117 West Frambes Avenue. Owner of record is the Huntington National Bank, Trustees.

April 17, 1964 meeting, Board of Trustees

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

H. Purchase of Property - Lots No. 111, 112, 113, 170, 171, 173, 174, 175, 176, 177, 187 and 188 of R. P. Woodruff's Agricultural College Addition, Columbus, Franklin County, Ohio (continued)

4. Lot No. 171 and 10' of Lot No. 170, R. P. Woodruff's Agricultural College Addition, Columbus, Franklin County, Ohio, and commonly known as 120 West Frambes Avenue. Owner of record is Evelyn Schirtzinger.
5. Lot No. 173, R. P. Woodruff's Agricultural College Addition, Columbus, Franklin County, Ohio, and commonly known as 128 West Frambes Avenue. Owner of record is Rohe F. and Alice M. Helm.
6. Lot No. 174, R. P. Woodruff's Agricultural College Addition, Columbus, Franklin County, Ohio, and commonly known as 132 West Frambes Avenue. Owner of record is George C. and Mae M. Hall.
7. Lot No. 175, R. P. Woodruff's Agricultural College Addition, Columbus, Franklin County, Ohio, and commonly known as 134 West Frambes Avenue. Owner of record is Lela F. Darby.
8. Lot No. 176, R. P. Woodruff's Agricultural College Addition, Columbus, Franklin County, Ohio, and commonly known as 140 West Frambes Avenue. Owner of record is John W. and Nena Bowen.
9. Lot No. 177, R. P. Woodruff's Agricultural College Addition, Columbus, Franklin County, Ohio, and commonly known as 144 West Frambes Avenue. Owner of record is Jean G. Smith.
10. Being the south 95' of Lots No. 187 and 188, R. P. Woodruff's Agricultural College Addition, Columbus, Franklin County, Ohio, and commonly known as 2138 Neil Avenue. Owner of record is Marathon Oil Company.
11. Being the north 65' of Lots No. 187 and 188, R. P. Woodruff's Agricultural College Addition, Columbus, Franklin County, Ohio, and commonly known as 2142-46 Neil Avenue. Owner of record is Sun Realty Co.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above resolution was approved by unanimous roll call vote.

I. Parking Facilities Feasibility Consultants

It is recommended that the Vice President, Business and Finance, be authorized to proceed to employ Wilbur Smith & Associates, New Haven, Connecticut, to bring the parking facilities feasibility study up to date.

April 17, 1964 meeting, Board of Trustees

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

I. Parking Facilities Feasibility Consultants (continued)

The fee for this service will be negotiated on the same basis as the original study and funds will be provided from Account 86287, Parking Facilities.

Upon motion of Mr. Bricker, seconded by Mr. Allyn, the above recommendation was approved by unanimous roll call vote.

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XI. RESOLUTION IN MEMORIAM

President Fawcett reported to the Board the death of Robert Gildersleeve Paterson, Professor Emeritus, Social Administration, and in accordance with instructions of the Board of Trustees, a copy of the following resolution expressing on behalf of the University the sorrow and sympathy of the Board has been furnished to the family of the deceased.

A. Robert Gildersleeve Paterson

The Board of Trustees expresses its sorrow at the death on March 11, 1964, in Tryon, North Carolina, of Robert Gildersleeve Paterson, Professor Emeritus, Social Administration.

Professor Paterson was born in Columbus, Ohio, on September 18, 1882. He received the B.A. degree from The Ohio State University in June 1905, a Certificate from the New York School of Social Work (now Columbia University, School of Social Work) in 1906, the M.A. degree from Columbia University in 1907, and the Ph.D. degree from the University of Pennsylvania in 1909.

Professor Paterson joined the faculty as an Assistant Professor of Public Health, Department of Public Health and Sanitation, College of Medicine, in 1915 and served until 1920. From 1925 to 1933, he was a Lecturer in Public Health in the Department of Sociology and the School of Social Administration of the University. From 1933 until the time of his retirement in December 1947, he served as a Professor, part time, in the School of Social Administration, which he helped to organize in 1927.

Dr. Paterson became the first paid Executive Secretary of the Ohio State Society for the Prevention of Tuberculosis in May 1911. In the years 1912 and 1913 Dr. Paterson, representing the Ohio Society, was instrumental in the creation of the Division of Tuberculosis in the Ohio State Board of Health, the first such division in the United States. He became the first Secretary and Executive Officer of the new Division, serving from May 15, 1913 to September 1, 1916, during which time he organized a tuberculosis program, a public health nursing service, and a public health education program.

During World War I, Dr. Paterson assisted in the organization of the American Red Cross Commission to Italy.

April 17, 1964 meeting, Board of Trustees

XI. RESOLUTION IN MEMORIAM (continued)

A. Robert Gildersleeve Paterson (continued)

For over forty years, he devoted his energies to combat tuberculosis in Ohio and the United States, serving as Executive Secretary of the Ohio Society, later to become the Ohio Tuberculosis and Health Association. His interest and activity assisted in the development of tuberculosis organizations in other states and of the National Tuberculosis Association.

Dr. Paterson was known as an inspiring teacher in public health organization and assisted many graduate students in preparing for careers in tuberculosis societies and community health organizations in local social planning councils. Through Dr. Paterson's interest and effort, a scholarship in community health organization was established in the School of Social Administration (now School of Social Work).

Dr. Paterson was the author of many papers, pamphlets, and monographs dealing with tuberculosis and public health. He was the author of a textbook, "Foundations of Community Health Education," published in June 1950.

Upon motion of Mr. Dargusch, seconded by Mr. Bricker, the Board of Trustees unanimously expressed to the family its deep sympathy and directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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XII. REPORTS

A. Report of the Finance and Investment Committee--
University's Investment Portfolio

The reports of the University's Investment Portfolio dated February 28, 1964 and March 31, 1964, as approved by the Finance and Investment Committee of the Board, were received by the Board of Trustees, and the Secretary was instructed to file a copy of the reports with the official records of the Board of Trustees. The Committee's report included the following resolution:

Sale of Land (Portion of Mitchell Tract, Route 161)
to Adjutant General's Department, State of Ohio

Whereas, the Adjutant General's Department of the State of Ohio desires a site for Ohio National Guard Armory and Aviation Operations in the vicinity of University Airport and,

Whereas, the Board of Trustees has title in its Investment Portfolio to a tract of land on the north side of University Airport which would be suitable for such use in accordance with the University's official Master Plan for Don Scott Field, and,

April 17, 1964 meeting, Board of Trustees

XII. REPORTS (continued)

A. Report of the Finance and Investment Committee--
University's Investment Portfolio (continued)

Whereas, the Adjutant General's Department has offered to purchase approximately 26 acres comprised of an eighteen-acre tract at \$2,880.00 per acre and an eight-acre tract at \$1,664.00 per acre, totaling \$65,152.00 for the 26 acres.

Therefore, Now Be It Resolved that the Vice President for Business and Finance have the desired tract surveyed and a legal description prepared and,

Be It Further Resolved that the President and Treasurer are hereby authorized and empowered to execute a deed transferring the land to the Adjutant General's Department, State of Ohio, upon payment of the above stipulated \$65,152.00, this money to be deposited in the University's Investment Portfolio.

The above resolutions, authorizing the sale of certain land held in the Investment Portfolio, were adopted by unanimous consent.

B. Report on Highlights of Campus Activities

In concluding the meeting, President Fawcett reviewed some of the accomplishments and activities of the University during the period since the February 14, 1964 meeting of the Board of Trustees. The report, which is filed with the official records of the Secretary, included:

1. A report of the establishment of a new division to coordinate all research activities in the College of Commerce and Administration to be administered by Assistant Dean for Research, Dr. Carroll L. Shartle.
2. The announcement that the University ranked eighth in the Nation in the number of Ph.D's granted in the area of engineering (39) during the 1962-1963 academic year, according to a report in the Journal of Engineering Education.
3. A report of the Administrative Council's action to equalize the four quarters of the academic year.
4. An announcement of the recipients of the Alumni Distinguished Teaching Awards, which were presented at the Winter Quarter Faculty Meeting on March 5, 1964.

Dr. Linden F. Edwards, Professor, Department of Anatomy
Professor Hoyt L. Sherman, Professor, School of Art
Dr. Clyde C. Allison, Professor, Department of Botany
and Plant Pathology
Dr. Meno Lovenstein, Professor, Department of Economics
Dr. Henry E. Wenden, Professor, Department of Mineralogy

April 17, 1964 meeting, Board of Trustees

XII. REPORTS (continued)

C. Report Concerning the Location of a Branch Campus
in North Central Ohio (Mansfield Area)

President Fawcett reported to the Board for information that the Board of Regents at its last regular meeting held on April 10, 1964, recommended release of planning money for a branch campus "to be located in the vicinity but to the west of Mansfield, on land to be donated by the community." The University will proceed promptly to complete its site selection studies and report the location of the site to the appropriate citizens advisory board of the Mansfield area. The site will then be purchased with funds provided by the citizens of the area served--Mansfield, Bucyrus, Galion, Shelby, and Crestline.

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Thereupon the Board adjourned to meet Friday, May 15, 1964, at The Ohio State University, Columbus, Ohio, at ten o'clock.

Attest:

John T. Mount
Secretary

Thomas F. Patton
Chairman

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
NINE HUNDRED AND EIGHTY-NINTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, May 15, 1964

The Board of Trustees met at its regular monthly meeting on Friday, May 15, 1964, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: Smith L. Rairdon, Vice Chairman, Alan B. Loop, Jacob E. Davis, Stanley C. Allyn, John W. Bricker, Carlton S. Dargusch, John G. Ketterer, and Frederick E. Jones.

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Minutes of the last meeting were approved.

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May 15, 1964 meeting, Board of Trustees

ELECTION OF OFFICERS

Mr. John W. Bricker moved that the following-named persons be placed in nomination as officers for the Board of Trustees, whose terms shall be effective immediately and shall continue through the May 1965 meeting of the Board:

Chairman - Smith L. Rairdon

Vice Chairman - Alan B. Loop

Secretary - John T. Mount

Treasurer - Gordon B. Carson

Mr. John Ketterer seconded the motion and with Mr. Stanley C. Allyn in the chair, the above-named persons were elected to the offices as indicated by acclamation of the Board.

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The newly elected Chairman, Mr. Rairdon, then invited Mr. Alan Loop to present a statement on behalf of the Board of Trustees in recognition of the meritorious service of Mr. Thomas F. Patton, the retiring Chairman of the Board of Trustees.

A TRIBUTE TO THOMAS F. PATTON

Mr. Loop presented the following statement:

Each of us on this Board, President Fawcett and his Cabinet, the faculty and student body, and the Alumni wherever they may be, will feel the impact of Mr. Patton's retirement as a Trustee of this great University.

He has given generously of his time, energy, and worldly goods to this University. From the day in 1926 when he graduated, with honors, from our College of Law, to this very moment he has been unselfishly dedicated to repaying what we have heard him describe as "a graduate's obligation to his University."

Mr. Patton over his years as a graduate has served as a member of the Board of Directors of The Ohio State University Association, as a member of the Alumni Advisory Board, and in addition has enjoyed the distinct honor of being elected National President of The Ohio State University Association for the 1945-47 term. On May 13, 1964 he completed seven years as a member of this Board of Trustees. During the last year as our Chairman, he devoted many hours in leading the successful campaign for the \$250,000,000 Bond Issue--a matter so important to all of Ohio, and to his Alma Mater.

The enviable stature of Tom Patton in this country and abroad is well known. His eminence as a leader of men and of industry has already become legendary. But above all, he possesses one of the finest of virtues--he is instinctively and innately an extremely courteous man. It is said that courtesy, in the final analysis, is merely "awareness of

May 15, 1964 meeting, Board of Trustees

A TRIBUTE TO THOMAS F. PATTON (continued)

others." We all felt better in his presence and we will all do better for The Ohio State University in the days ahead because of having been exposed to the delightful personality of this kind and generous gentleman.

Upon motion of Mr. Allyn, seconded by Mr. Davis, the Secretary was instructed by unanimous vote to spread this excellent and well-deserved statement upon the record and to send a copy of the statement to Mr. Patton.

President Fawcett added his enthusiastic support to the above statement on behalf of the administration, faculty, and students of the University. President Fawcett was authorized by the Board to present the following certificate of grateful acknowledgment of Mr. Patton's distinguished service to the University.

The Ohio State University

in recognition of duty well performed
upon completion of distinguished service to the University
as a dedicated member of the Board of Trustees and a
faithful custodian of our educational heritage, the
Board of Trustees conveys deep appreciation and good wishes to

Thomas F. Patton

a loyal alumnus of the University. In grateful acknowledgement
this certificate is presented, by resolution of the Board.



Given at Columbus on the fifteenth day of May in
the year of our Lord nineteen hundred sixty-four.

Smith L. Bairdon *Novice H. Fawcett*
Chairman of the Board of Trustees President of the University
John T. Mount
Secretary of the Board of Trustees

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May 15, 1964 meeting, Board of Trustees

President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Naming of Building - "The College of Pharmacy"

Upon the recommendation of Dean Lloyd M. Parks and the faculty of the College of Pharmacy, and with the concurrence of Mr. Frederick Stecker, Executive Director for University Relations, it is proposed that the new building to be erected for the College of Pharmacy on the north side of 12th Avenue, north of Upham Hall, be known as "The College of Pharmacy."

This proposal has the concurrence of the President's Cabinet and is in accordance with the By-Laws of the Board of Trustees. It is hereby recommended for your approval.

Upon motion of Mr. Allyn, seconded by Mr. Loop, the Board of Trustees by a unanimous roll call vote approved the naming of the new building to be erected for the College of Pharmacy on the north side of 12th Avenue, north of Upham Hall.

B. Distinguished Service Awards

In 1952 the Board of Trustees established the Distinguished Service Award to be given in recognition of eminent and illustrious service to The Ohio State University. The President's Cabinet, which serves as the Committee on Distinguished Service Awards, has nominated for consideration by the Board of Trustees the following-named persons to receive the Distinguished Service Award at the August 28, 1964 Commencement:

Viva Belle Boothe
John Bernis Brown
Josephine Sitterle Failer
Fred Andrews Hitchcock
Everett David Reese

Upon motion of Mr. Davis, seconded by Mr. Bricker, the above nominations for the Distinguished Service Award were approved by a unanimous roll call vote.

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II. PERSONNEL CHANGES

It is recommended that all personnel changes since the April 17, 1964 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Changes in Titles and Administrative Responsibilities, Leaves of Absence Without Salary, and Emeritus Titles:

May 15, 1964 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

A. Changes in Titles and Administrative Responsibilities - Ohio Cooperative Extension Service

That effective July 1, 1964, the titles and administrative responsibilities for the following-named persons be changed as indicated below. All salary adjustments to be made in connection with these changes in duties will be included in the 1964-65 personnel services budget which will be presented to the Board of Trustees at its June 1964 meeting.

Roy M. Kottman from Dean of the College of Agriculture and Home Economics to Dean of the College and Director of the Ohio Cooperative Extension Service. He will continue as the Director of the Ohio Agricultural Experiment Station.

Edwin L. Kirby from Acting Director of the Ohio Cooperative Extension Service to Associate Director of the Ohio Cooperative Extension Service. He will continue to hold the rank of Professor in the Department of Agricultural Education.

B. Leaves of Absence Without Salary

Edward C. Naber, Professor (part time - 55%), Poultry Science, September 1, 1964 through June 30, 1965, to be a Visiting Professor at the University of Wisconsin.

Francis W. Niedenfuhr, Professor, Engineering Mechanics, October 1, 1964 through September 30, 1965, to accept a post with the Institute for Defense Analyses, Washington, D. C.

Kenneth L. Karst, Professor, College of Law, October 1, 1964 through December 31, 1964, to teach at UCLA.

John W. Sharp, Professor (part time - 44%), Agricultural Economics and Rural Sociology, June 1, 1964 through May 31, 1965, to direct the agricultural economics research in the area of food storage and processing in foreign countries for Weitz-Hettelsater Engineers of Kansas City.

Richard U. Sherman, Jr., Mershon Professor of Economics, Mershon Committee on Education, October 1, 1964 through June 30, 1965, to teach at National War College, Washington, D. C.

Walter F. Loeb, Assistant Professor, College of Veterinary Medicine - Administration and Veterinary Pathology, July 1, 1964 through June 30, 1965, to complete work on the Ph.D. degree at Michigan State University.

Lloyd C. Parks, Assistant Professor, English, October 1, 1964 through September 30, 1965, to continue his Fulbright grant in France.

May 15, 1964 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

C. Emeritus Titles

Harold P. Fawcett, Education, with the title Professor Emeritus, effective September 1, 1964.

George E. Large, Civil Engineering, with the title Professor Emeritus, effective July 1, 1964.

Robert E. Mathews, College of Law, with the title Professor Emeritus, effective July 1, 1964.

Ralph S. Paffenbarger, Engineering Drawing, with the title Professor Emeritus, effective July 1, 1964.

Harrison B. Summers, Speech, with the title Professor Emeritus, effective July 1, 1964.

John Gersten, Anatomy, with the title Associate Professor Emeritus, effective July 1, 1964.

Robert C. Higgy, Electrical Engineering, with the title Associate Professor Emeritus, effective July 1, 1964.

Eunice J. Wertenberger, School of Home Economics, with the title Assistant Professor Emeritus, effective July 1, 1964.

Upon motion of Mr. Bricker, seconded by Mr. Ketterer, the Changes in Titles and Administrative Responsibilities, Leaves of Absence Without Salary, Emeritus Titles, and the personnel changes recorded in the official "Salary Roll" of the University were approved unanimously by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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III. GENERAL CONTRACTS AND AGREEMENTS

A. The Ohio State University and The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

1. Government Contracts - Federal

- a. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Excitation and Inhibition in the Vertebrate Retina (to be known as National Institutes of Health Project No. 782 - Ext. #6 - Institute for Research in Vision).
Gross Value - \$34,599.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- b. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for A Servoanalytic Study of the Myotatic Reflex System (to be known as National Institutes of Health Project No. 1101 - Ext. #4 - Department of Physiology).
Gross Value - \$11,048.00.
- c. Department of Health, Education and Welfare, Public Health Service, Bureau of State Services, Washington, D. C., for Characterization of Milk Lipases (to be known as Bureau of State Services Project No. 1263 - Ext. #3 - Department of Dairy Technology).
Gross Value - \$6,460.00.
- d. Department of Health, Education and Welfare, Public Health Service, Bureau of State Services, Washington, D. C., for an Investigation of Milk Protein Changes at Elevated Temperatures (to be known as Bureau of State Services Project No. 1264 - Ext. #3 - Departments of Dairy Technology and Chemistry).
Gross Value - \$19,680.00.
- e. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Control of Pituitary ACTH Secretion (to be known as National Institutes of Health Project No. 1272 - Ext. #3 - Department of Pharmacology).
Gross Value - \$24,552.00.
- f. Department of Health, Education and Welfare, Public Health Service, Bureau of State Services, Washington, D. C., for The Professionalization of Dental Students (to be known as Bureau of State Services Project No. 1283 - Ext. #3 - Department of Sociology and Anthropology).
Gross Value - \$15,218.00.
- g. Department of Health, Education and Welfare, Public Health Service, Bureau of State Services, Washington, D. C., for Improving Competence of Nursing Faculty in Research (to be known as Bureau of State Services Project No. 1384 - Ext. #2 - School of Nursing).
Gross Value - \$34,336.00.
- h. Systems Engineering Group, Research and Technology Division, Wright-Patterson Air Force Base, Ohio, for Research on Similarity Parameters Relating Model Tests in High-Enthalpy Hypersonic Wind Tunnels to Corresponding Full-Scale Flight Conditions (to be known as Systems Engineering Group, Research and Technology Division Project No. 1580 - Mod. #3 - Department of Aeronautical and Astronautical Engineering).
Gross Value - \$50,725.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Functional Morphology in the Aging Nervous System (to be known as National Institutes of Health Project No. 1624 - Sup. #1 - Department of Psychiatry).
Gross Value - \$10,780.00.
- j. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Neuro-respiratory Reflexes (to be known as National Institutes of Health Project No. 1627 - Ext. #2 - Department of Psychiatry).
Gross Value - \$19,692.00.
- k. Department of Health, Education and Welfare, Vocational Rehabilitation Administration, Washington, D. C., for Language Retraining for Aphasics (to be known as Vocational Rehabilitation Administration Project No. 1630 - Ext. #1 - Department of Speech).
Gross Value - \$32,267.00.
- l. Systems Engineering Group, Research and Technology Division, Wright-Patterson Air Force Base, Ohio, for Intermittent Research Analysis Services in Flight Control (to be known as Systems Engineering Group, Research and Technology Division Project No. 1635 - Mod. #3 - RF Internal Supervision).
Gross Value - \$31,500.00.
- m. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Highly Strained Nitrogen Heterocyclics (to be known as National Institutes of Health Project No. 1640 - Sup. #1 and Ext. #1 - Department of Chemistry).
Gross Value - \$13,156.00.
- n. U. S. Army Research Office, Durham, Box CM, Duke Station, Durham, North Carolina, for an Investigation of 4237-C - Synthesis and Properties of Naphtho- and Phenanthraquinones (to be known as U. S. Army Research Office Project No. 1667 - Sup. #1 - Department of Chemistry).
Gross Value - \$17,513.00.
- o. Department of Health, Education and Welfare, Public Health Service, Bureau of State Services, Washington, D. C., for A Study of the Biological Storage System (to be known as Bureau of State Services Project No. 1763 - Ext. #1 - Department of Mathematics).
Gross Value - \$4,975.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- p. Headquarters, Rome Air Development Center, Griffiss Air Force Base, New York, for an Investigation of EM Absorbing Material Application (to be known as Rome Air Development Center Project No. 1767 - New - Department of Electrical Engineering).
Gross Value - \$65,000.00.
- q. Classified Program (to be known as Classified Program Project No. 1801 - New - Department of Electrical Engineering).
Gross Value - \$150,000.00.
- r. Classified Program (to be known as Classified Program Project No. 1815 - New - Department of Electrical Engineering).
Gross Value - \$20,000.00.
- s. Systems Engineering Group, Research and Technology Division, Wright-Patterson Air Force Base, Ohio, for an Investigation of the Relationship of Microstructure to Strength and Toughness in High Strength Steels (to be known as Systems Engineering Group, Research and Technology Division Project No. 1816 - New - Department of Metallurgical Engineering).
Gross Value - \$16,200.00.
- t. National Science Foundation, Washington, D. C., for Essential Improvements in the 360-Foot Radio Telescope (to be known as National Science Foundation Project No. 1817 - New - Department of Electrical Engineering).
Gross Value - \$43,300.00.
- u. National Academy of Sciences, 2101 Constitution Avenue, Washington, D. C., for Retrospective Halothane Study (to be known as National Academy of Sciences Project No. 1818 - New - Department of Surgery).
Gross Value - \$5,557.00.
- v. Department of Health, Education and Welfare, Office of Education, Washington, D. C., for A Study of Eye Movements in Television Viewing (to be known as Office of Education Project No. 1819 - New - Bureau of Educational Research and Service).
Gross Value - \$140,554.00.
- w. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Synthesis of Biologically Important Carbohydrates (to be known as National Institutes of Health Project No. 1820 - New - Department of Chemistry).
Gross Value - \$22,627.00.

May 15, 1964 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- x. National Science Foundation, Washington, D. C., for an Investigation of Particulates in Antarctic Firn Cores (to be known as National Science Foundation Project No. 1821 - New - Institute of Polar Studies).
Gross Value - \$18,700.00.
- y. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Catalytic Centers of Metal Enzymes (to be known as National Institutes of Health Project No. 1823 - New - Department of Physiological Chemistry).
Gross Value - \$21,897.00.
- z. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Experimental Carcinogenesis of the Urinary Bladder (to be known as National Institutes of Health Project No. 1824 - New - Department of Pathology).
Gross Value - \$12,604.00.
- aa. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Tricyclic Tropane Congeners (to be known as National Institutes of Health Project No. 1825 - New - Department of Chemistry).
Gross Value - \$12,031.00.
- bb. Systems Engineering Group, Research and Technology Division, Wright-Patterson Air Force Base, Ohio, for Preparation and Investigation of High Strength Wires (to be known as Systems Engineering Group, Research and Technology Division Project No. 1826 - New - Department of Metallurgical Engineering).
Gross Value - \$14,984.00.
- cc. National Science Foundation, Washington, D. C., for an Investigation of Physical Chemical Properties of Monomolecular Films and Dilute Solutions in the Chlorophylls (to be known as National Science Foundation Project No. 1828 - New - Department of Chemistry).
Gross Value - \$16,000.00.

TOTAL - Government Contracts - Federal \$885,955.00

2. Industrial and Other Contracts

- a. Regents of the University of Wisconsin, Madison, Wisconsin, for Drug Evaluation Program of the CCNSC in the Central Region, USA (to be known as Regents of the University of Wisconsin Project No. 1395 - Cks. #134276 and 136904 - Department of Surgery).
Gross Value - \$3,600.00.

May 15, 1964 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- b. The University of Michigan, Ann Arbor, Michigan, for an Investigation of Bistatic Microwave Cross-Section Measurements (to be known as The University of Michigan Project No. 1822 - New - Department of Electrical Engineering).
Gross Value - \$44,000.00.

TOTAL - Industrial and Other Contracts \$47,600.00

The foregoing thirty-one contracts for research in cooperation with Government, Industry and Other represent a gross income of \$933,555.00.

Upon motion of Mr. Jones, seconded by Mr. Ketterer, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were approved by unanimous consent.

B. The Report of the Research Contracts
from the Engineering Experiment Station

During the period from April 4, 1964 through April 30, 1964, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record.

1. Industrial Research Contracts

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| EES 232
Ext. #1 | A Study of V-Belts, Dayco Corporation, Belt Engineering Department, Springfield, Missouri.
Gross Value - \$1,440.00. |
| EES 244 | The Influence of Metallurgical Factors on Resistance Spot Welding of Galvanized Steel, International Lead-Zinc Research Organization, New York, New York.
Gross Value - \$16,650.00. |
| EES 245 | Fire Safety Characteristics of Certain Building Constructions and Materials, American Iron and Steel Institute, New York, New York.
Gross Value - \$136,620.00. |
| EES 246 | The Effect of Structural Restraint, Stiffness and Composite Action on the Fire Resistance of Steel Constructions, American Iron and Steel Institute, New York, New York.
Gross Value - \$13,740.00. |

The foregoing four contracts for research in the Engineering Experiment Station represent a gross income of \$168,450.00.

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May 15, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS

The following grants and gifts to the University, including the establishment of a scholarship fund, are hereby reported for the record and appropriate expressions of appreciation have been conveyed:

A. Administered Through the Office of Business and Finance

1. \$38,592.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Training in Social Sciences," under the direction of Dr. Raymond F. Sletto and Dr. Saad Z. Nagi, Department of Sociology and Anthropology, for the period July 1, 1964 through June 30, 1965. (Grant 5 T1 MH-7853-03)
2. \$35,464.00 granted by the U. S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Training - Psychiatric Social Work," under the direction of Mrs. Miriam E. Prince, for the period July 1, 1964 through June 30, 1965. (Grant 5 T1 MH-6530-08)
3. \$29,524.00 granted by the Department of Health, Education and Welfare, Welfare Administration, Children's Bureau, Washington, D. C. 20201, to the University for "Child Welfare Training Grant," under the direction of Professor Everett C. Shimp and Professor Leonard Schneiderman, for the period July 1, 1964 through June 30, 1965. (Project No. 45)
4. \$29,235.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Training - Arthritis and Metabolic Diseases," under the direction of Dr. George J. Hamwi, Department of Medicine, for the period July 1, 1964 through June 30, 1965. (Continuing project reported to the Board May 18, 1962.) (Grant T1 AM 5118-08)
5. \$28,975.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Training Grant - Neurological Diseases and Blindness," under the direction of Dr. James V. Warren, Department of Medicine, for the period July 1, 1964 through June 30, 1965. (Grant 1 T8 NB 10,031-01)
6. \$21,589.00 granted by the U. S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Undergraduate Training - Psychiatric Nursing," under the direction of Professor Mildred E. Newton, School of Nursing, for the period July 1, 1964 through June 30, 1965. (Grant 2 T2 MH-6375-08)
7. \$21,306.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for a "Development Award - Energy Conversion in Primary Bio-photoprocesses," under the direction of Dr. H. H. Nielsen, Chairman, Department of Physics, for the period April 1, 1964 through March 31, 1965. (Grant 1-K3-GM-21,946-01)

May 15, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

8. \$17,928.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Training," under the direction of Dr. John C. Ullery, Department of Obstetrics and Gynecology, for the period July 1, 1964 through June 30, 1965. (Grant T1 AM 5403-02)
9. \$8,273.00 granted by the Department of Health, Education and Welfare, Public Health Service, Division of Nursing Resources, Washington, D. C., to the University for "Regular Academic Program - Supplemental Award," under the direction of Professor Mildred E. Newton, School of Nursing, for the period September 1, 1963 through August 31, 1964. (NT-29-C7-S-1)

TOTAL - Through the Office of Business and Finance \$230,886.00

B. Received Through the Development Fund

1. \$14,000.00 from The Payne Fund, Inc. to the College of Education, Bureau of Educational Research and Service, for support of the various instruments of communication from the Bureau.
2. \$10,000.00 from William Bartlett Calkins for the William Bartlett Calkins Scholarship Fund.

William Bartlett Calkins Scholarship Fund

The William Bartlett Calkins Scholarship Fund was established January 21, 1964, by a gift through the Development Fund from William Bartlett Calkins, G.Ph. '98. The principal is to be invested in accordance with Sec. 3345.16 G. C. The income is to be used for scholarships in the field of science in the same manner and for the same purpose as the income from the George H. Calkins Scholarship Fund. In the event the need for such scholarships ceases to exist, the Board of Trustees, at its discretion, may use the income for any purpose.

3. \$8,340.02 from the Estate of Edythe L. Cook to be used by the Speech and Hearing Clinic for "research in the field of relieving total deafness."
4. \$7,500.00 from The Lubrizol Foundation--\$6,000.00 for fellowships in Chemical Engineering and Chemistry and \$1,500.00 for scholarships in Mathematics and Mechanical Engineering.
5. \$5,000.00 from American Cyanamid Company for the building fund for a new Alumni House. This was the amount won by the Ohio State team on the "Alumni Fun" program.
6. \$5,000.00 from Mrs. Bruce K. Wiseman, Columbus, Ohio, to the College of Medicine to be used for any programs developed for or in Wiseman Hall.

May 15, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

7. \$5,000.00 from the General Electric Foundation, for work in distributive education being carried on in the Department of Education under the direction of Dr. William B. Logan.
8. \$4,500.00 from Armco Steel Corporation, Middletown, Ohio, for the Armco Fellowship in Metallurgical Engineering.
9. \$3,630.00 from Tek-Hughes for use in the College of Dentistry.
10. \$3,608.00 from the Trust under the Will of Anna Roessler for scholarships in the College of Medicine.
11. \$3,500.00 from the Goodyear Foundation, Inc., Akron, Ohio, for graduate fellowship award for 1964-65 in the field of aerospace engineering in the Department of Aeronautical and Astronautical Engineering.
12. \$3,076.25 from Jacob E. Davis--\$1,676.25 for the Jacob E. Davis Scholarship Fund for School of Social Work, \$1,000.00 for the Jacob E. Davis Fund for the College of Law and \$400.00 to the Presidents Club Fund.
13. \$1,115.89 from James F. Lincoln as a special gift to the Development Fund.
14. \$1,000.00 from Charles Y. Lazarus for the Pacesetters Fund.
15. \$1,000.00 from Wendell D. Postle for the Wendell D. and Helen R. Postle Dental Student Loan Fund.
16. \$1,000.00 from Gates, McDonald and Company, Columbus, for scholarships in the School of Architecture.

TOTAL - Through the Development Fund \$77,270.16

Upon motion of Mr. Loop, seconded by Mr. Allyn, the above report of grants and gifts, including the establishment of a scholarship fund, was accepted by a unanimous vote, and the Secretary was instructed to include the report in the minutes of this meeting.

C. Report from The Ohio State University Development Fund

In April, 1964, The Ohio State University Development Fund received gifts on behalf of the University as follows:

May 15, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

C. Report from The Ohio State University Development Fund (continued)

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	2,664	\$ 33,143.66
Individuals, other than alumni	42	6,621.40
Nonprofit organizations	20	59,494.65
Business concerns	16	16,673.66
	<u>2,742</u>	<u>\$115,933.37</u>

Of these gifts, 2,364 totaling \$19,823.60 were undesignated and 378 totaling \$96,109.77 were designated.

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V. APPROPRIATION AND TRANSFER OF FUNDS

A. Appropriation for the Development of a Research Project

At the request of the Vice President for Research, and with the concurrence of the Vice President for Business and Finance and the President's Cabinet, it is recommended that \$9,000.00 be appropriated from the University Treasurer Research Subaccount (a) to supplement the funds now available in departmental accounts for the purchase of the component parts for a mass spectrometer to be assembled by the faculty of the Department of Geology.

Upon motion of Mr. Bricker, seconded by Mr. Davis, the above recommendation for appropriation of funds was approved by a unanimous roll call vote.

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VI. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra Orders, Credit Orders and Extensions of Time to Contracts as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated in each case.

A. Housing for Metallurgical and Mineralogical Laboratories

Electrical Contract

It is recommended that the 200 amp. buss duct on the basement ceiling be relocated to clear previously relocated ducts.

Add \$ 990.00

Funds for this extra order are available in Account 806, H. B. 711.

May 15, 1964 meeting, Board of Trustees

VI. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

B. Student Housing, Building No. 12 (Drackett Tower)

It is recommended that an emergency engine-generator be furnished and installed in the basement of Drackett Tower to supply emergency current for four elevators, all of the exit lights, 1/3 of the corridor lights, 1/2 of the stairwell lights, and one water booster pump. In order to accomplish this work the following extra orders should be issued.

1. Electrical Contract - \$22,070.00
2. Plumbing Contract - \$1,895.00
3. General Contract - \$907.50

Total addition \$24,872.50

Funds for these extra orders are available in the Dormitory Construction Account.

C. Elevated Water Storage Tank

It is recommended that the following changes be made:

1. Furnish two full field coats of standard aluminum paint in addition to the patch coat of primer on the exterior surfaces of the elevated tank in lieu of the two coats of vinyl paint specified.
2. Eliminate aluminum paint on the inside surface of the bell.
3. Provide two full field coats of aluminum in addition to the patch coat of primer on the inside surface of the shaft.
4. Provide two coats of bright red painted lettering in lieu of one coat of vinyl paint.

Deduct \$ 998.00

Funds for this project were provided from Budget Account 19945.

May 15, 1964 meeting, Board of Trustees

VI. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

D. Addition to Antenna Laboratory

Heating and Ventilating Contract

It is recommended that a 2" steam line and a 1" return line be relocated from the second floor ceiling in the laboratories along the south side of the existing building to a position above the ceiling in the corridors.

Add \$ 1,186.00

Funds for this extra order will be provided from Budget Account 91019.

E. Repairs to Rooms 473, 476, 478 and N-729, University Hospital

It is recommended that an extension of time for completion of contracts on all divisions of this project be approved from April 24, 1964 to May 24, 1964, for the following reasons:

1. Field measurements for the stainless steel surgical consoles could not be completed until rough-in by the mechanical and electrical contractors, which delayed delivery of the consoles.
2. Floor tile scheduled to be used in Operating Rooms 7 and 8 was used to replace tile in Rooms 476 and 478A by change order.
3. Lightweight concrete floor fill could not be poured due to electrical duct changes to provide for monitoring devices.

F. Miami University - The Ohio State University, Dayton Campus - Phase I

It is recommended that the number of faculty offices in Allyn Hall be increased from 44 to 62. As staffing for the General College and the College of Science and Engineering progresses based upon the present forecasted enrollment, it becomes apparent that this space should be provided. In order to accomplish this work, the following extra orders should be issued:

1. Mechanical Contract	Add	\$3,737.00
2. Electrical Contract	Add	1,158.00
3. Movable Partition Contract	Add	7,822.20
4. General Contract	Deduct	877.88

Total addition \$11,839.32

Funds for this extra order will be provided from Budget Account 91017.

Upon motion of Mr. Bricker, seconded by Mr. Loop, the above recommendation was approved by a unanimous roll call vote.

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VII. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of materials, and estimates of cost for the following projects be approved by the Board of Trustees:

A. Repairs to Electrical Systems in Baker Hall

The scope of this project is the replacement and modernization of the original distribution wiring in this building.

Funds for the project will be provided from Budget Account 8295, Dormitory Contingency Repair and Replacement Fund.

B. Dining Facility Northwest

This facility will provide a dining area for approximately 1,730 students housed in Norton, Scott, Nosker and Archer Houses and Drackett Tower.

Funds for the project will be provided from the Dormitory Construction Account and the project will proceed as soon as funds are released for the purchase of the necessary property for construction.

Upon motion of Mr. Davis, seconded by Mr. Ketterer, the above recommendation was approved by unanimous roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter will be reported to the Board of Trustees at a later meeting.

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VIII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contract for the following project has been recommended for award and the action is hereby reported to the Board:

A. Connection of Cold Water Supply Lines on the West Campus

Bids for this project were received on April 23, 1964, and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(5 bids received)		
K & I Construction (Worthington)	\$8,100.00	\$10,000.00

Funds for this project will be provided from Budget Account 12350, Contract Repairs.

Upon motion of Mr. Allyn, seconded by Mr. Loop, the above award of contract and expenditure of funds were approved and the action of the Vice President for Business and Finance was ratified by a unanimous roll call vote.

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May 15, 1964 meeting, Board of Trustees

IX. CONTROLLING BOARD AND EMERGENCY BOARD APPROVAL

A. Controlling Board Approval

Each numbered approval shown below accomplishes the following purpose:

- 80 Authorizes the award of extra orders in the amount of \$1,635.30 for the project "University Hospital, Repairs to Rooms 473, 476, 478, 479 and N-729" and the expenditure of this amount from the University Hospital Rotary.

B. Emergency Board Approval

Each numbered approval shown below accomplishes the following purpose:

- 3 Authorizes the University to proceed to repair the damage in Brown Hall caused by fire, on a force account basis, and allocates \$30,000.00 from the Emergency Fund to restore the building and replace the equipment destroyed by fire.

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X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Lease of Space in Hangar No. 4, University Airport

The U. S. Army Engineer District, Louisville, proposes a ten-year lease for approximately 1064 sq. ft. of space in Hangar No. 4 at a rental fee which will provide a return to the University which covers all costs. The proposed lease has been carefully evaluated and is hereby submitted to the Board of Trustees for approval.

It is recommended that the President be authorized to sign the lease for the University.

Upon motion of Mr. Davis, seconded by Mr. Jones, the above recommendation was approved by a unanimous roll call vote, and the Secretary was instructed to file a copy of the lease with the official records of this meeting.

B. Agreement for Architectural Services - Addition and Alterations to George Wells Knight International Student Center

Mr. Todd Tibbals, Architect, has agreed to provide working drawings and specifications for this project at no cost to the University or the State of Ohio.

It is therefore recommended that the Secretary be instructed to sign the agreement for this service for and on behalf of the Board of Trustees.

Upon motion of Mr. Ketterer, seconded by Mr. Bricker, the above recommendation was approved by a unanimous roll call vote.

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May 15, 1964 meeting, Board of Trustees

XI. RESOLUTION IN MEMORIAM

President Fawcett reported to the Board the death of Emory Frederick Almy, Professor Emeritus of Agricultural Biochemistry, and in accordance with instructions of the Board of Trustees, a copy of the following resolution expressing on behalf of the University the sorrow and sympathy of the Board has been furnished to the family of the deceased.

A. Emory Frederick Almy

The Board of Trustees expresses its sorrow at the death on April 17, 1964, of Emory Frederick Almy, Professor Emeritus of Agricultural Biochemistry.

Professor Almy was born in Greenwood, Nebraska, on July 6, 1895. He earned his B.S. and M.S. degrees in chemistry at the University of Nebraska in 1916 and 1917 respectively. He received his Ph.D. degree from The Ohio State University in 1929. He was a veteran of World War I serving in the chemical corps in munitions production. Immediately following he was with the Nestle Co. a short time. He came to The Ohio State University as an Assistant in the Department of Agricultural Chemistry and Soils in 1919. He was made Instructor in 1921; Assistant Professor in 1925; Associate Professor in 1934; and Professor in 1940. During World War II he was with the M & R Dietetics Laboratory. He became Professor Emeritus in 1960.

Professor Almy and his students did significant work in the chemistry of milk. This work is described in a number of publications and patents. Early in his career he studied the carmelization or browning reaction in heated milk and showed it to be due to the interaction of lactose and proteins. Studies in this area have since attracted many workers for these changes became increasingly important in foods stored long periods of time. He made notable contributions to the industrial production of lactose, so necessary in the last war. His special field of interest was ion exchange modified milks which are important in baby foods, special dietary foods, and powdered dairy products, including cream. He was active in the American Chemical Society, American Dairy Science Association, and was a member of many honor societies such as Phi Beta Kappa, Phi Lambda Upsilon, and Gamma Sigma Delta.

Professor Almy came from a family of teachers and professors. During his 40 years of service, over 80 per cent of all students in the College of Agriculture were in at least one of his classes. He was particularly fond of students and this permeated his whole personality. He had a keen sense of humor and an ability to look on the bright side of every problem which was almost infectious. He and Mrs. Almy opened their home to hundreds of students and a number of students lived in their home. Whether advanced students or beginners, all were admirers of Professor Almy, and many became close life-time friends. Certainly his Department, his College, and the University have been the beneficiaries of a life time of devoted service.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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May 15, 1964 meeting, Board of Trustees

XII. REPORTS

A. Report on the Investment Portfolio

The report on the University's Investment Portfolio dated April 30, 1964 was presented to the Board of Trustees. The Secretary was instructed to file a copy of the report with the official records of the Board of Trustees.

B. Report from The Ohio State University Research Foundation and the Engineering Experiment Station

Mr. Mount reported that the Annual Report for The Ohio State University Research Foundation and the magazine, News in Engineering, which reported research activities for the Engineering Experiment Station, have been received. A copy of each report will be mailed to each member of the Board of Trustees and one copy filed with the official records of the Board of Trustees.

C. Report on Highlights of Campus Activities

In concluding the meeting, President Fawcett reviewed some of the accomplishments and activities of the University during the period since the April 17, 1964 meeting of the Board of Trustees. The report, which is filed with the official records of the Secretary, included:

1. Two recent studies have indicated that the University is one of the top producers of the Nation's executives. Of the 2,100 universities and colleges of the Nation, Ohio State is tied for 16th place in the number of Presidents and Chairmen of the Boards of the Nation's 750 biggest corporations.
2. Dr. J. G. Harrar, President of the Rockefeller Foundation, will speak at the University's Spring Quarter Commencement on June 12.
3. Some 762 faculty and staff members were honored for their long and dedicated service to the University at the 20th Annual Recognition Dinner on Monday, May 11, 1964.
4. Ohio State's Antenna Laboratory conducted its first successful test of a moon relay of a voice-modulated signal on May 7 when President Lyndon B. Johnson's address at Ohio University was transmitted from Athens, Ohio, via the moon by a 10-kilowatt Air Force transmitter. The signal took 2 1/2 seconds to cover the 480,000-mile route and was received and reported by equipment at the "saucer field" of Ohio State's Antenna Laboratory. Engineers reported the reception as "good."
5. Dr. John C. Weaver, who will be assuming his duties at The Ohio State University as Vice President for Instruction and Dean of Faculties, was elected recently to the Chairmanship of the Committee on Institutional Cooperation, for the coming year. He will succeed Dr. Frederic Heimberger in this capacity.

May 15, 1964 meeting, Board of Trustees

XII. REPORTS (continued)

C. Report on Highlights of Campus Activities (continued)

President Fawcett further reported that the Spring Quarter University faculty meeting to be held on May 25 will be devoted to officially recognizing Dr. Heimberger for his many years of faithful service to the University.

Vice President Heimberger indicated that this will be the last meeting which he will attend in his official capacity, and Mr. Rairdon expressed best wishes to Dr. Heimberger and the desire of the Board to share in the well-deserved recognition which will be bestowed upon him at the May 25 meeting of the University faculty.

D. Report Concerning the Leadership Awards Dinner

Mr. Loop reported to the Board that he and Mr. Rairdon had the good fortune of being able to attend the annual University Leadership Awards Dinner held at the Ohio Union on May 6, 1964. He reported further that it was indeed an impressive ceremony. He noted that the "first family" of the University was honored by having both Mrs. Marjorie Fawcett and Miss Jane Fawcett tapped for membership in Mortar Board, senior women's honorary.

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Thereupon the Board adjourned to meet Friday, June 5, 1964, at The Ohio State University, Columbus, Ohio, at ten o'clock.

Attest:

John T. Mount
Secretary

Smith L. Rairdon
Vice Chairman

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
NINE HUNDRED AND NINETIETH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, June 5, 1964

The Board of Trustees met at its regular monthly meeting on Friday, June 5, 1964, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: Smith L. Rairdon, Chairman, Alan B. Loop, Jacob E. Davis, Carlton S. Dargusch, and Frederick E. Jones.

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Minutes of the last meeting were approved.

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June 5, 1964 meeting, Board of Trustees

President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Budgets for the 1964-65 Fiscal Year

The following budgets, including ranks, titles and salaries, as set forth in the "Salary Roll" are hereby recommended for approval.

1. The Ohio State University annual personnel budget from appropriated general revenue funds, student fees, Morrill Fund, and unrestricted funds, in the amount of \$35,044,053.00, for the fiscal year beginning July 1, 1964.

Upon motion of Mr. Davis, seconded by Mr. Loop, The Ohio State University personnel budget was approved unanimously by roll call vote, and the Secretary was instructed to file the "Salary Roll" detailing this budget with the official records of the University.

2. The University Hospital annual personnel budget from appropriated general revenue funds and Hospital rotaries in the amount of \$8,611,080.00, for the fiscal year beginning July 1, 1964.

Upon motion of Mr. Loop, seconded by Mr. Jones, the University Hospital personnel budget was approved unanimously by roll call vote, and the Secretary was instructed to file the "Salary Roll" detailing this budget with the official records of the University.

3. Ohio Cooperative Extension Service annual personnel budget from appropriated funds in the amount of \$3,533,233.00, for the fiscal year beginning July 1, 1964.

Upon motion of Mr. Davis, seconded by Mr. Jones, the Ohio Cooperative Extension Service personnel budget was approved unanimously by roll call vote, and the Secretary was instructed to file the "Salary Roll" detailing this budget with the official records of the University.

4. The Ohio State University Research Foundation annual operating budget in an amount not to exceed \$664,256.00 for the fiscal year beginning July 1, 1964. This budget was approved by the Board of Directors of The Ohio State University Research Foundation at its annual meeting on April 10, 1964.

Upon motion of Mr. Davis, seconded by Mr. Loop, The Ohio State University Research Foundation operating budget was approved unanimously by roll call vote.

5. The Department of Athletics annual operating budget in an amount not to exceed \$2,132,686.00, for the fiscal year beginning July 1, 1964. This budget was approved by the Athletic Council at its regular meeting on May 25, 1964.

Upon motion of Mr. Jones, seconded by Mr. Davis, the Department of Athletics operating budget was approved unanimously by roll call vote.

June 5, 1964 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

B. Revision of Rule 35.07--Rules for the University Faculty

On May 12, 1964, the Faculty Council upon the recommendation of the Dean of the Graduate School, with the concurrence of the Council on Instruction, approved the recommendation that Rule 35.07 of Rules for the University Faculty be amended by changing the S--Satisfactory paragraph as follows:

S--Satisfactory. This mark shall be used as a final mark only for (a) a graduate student who has completed satisfactorily his thesis or dissertation research, (b) a graduate student who has completed satisfactorily a special problem or minor problem course in which the instructor works directly with the individual graduate student, (c) a graduate student who has completed satisfactorily a literature review course or seminar designated by the Dean of the Graduate School as qualifying for the mark of S, and (d) a student enrolled in the College of Medicine in a curriculum leading to the degree, Doctor of Medicine, when that student has completed satisfactorily a course in that curriculum. A student who would be entitled to the mark of S if he had completed his work satisfactorily but who does not complete his work satisfactorily shall receive the mark of E. S credit shall be counted as hours only and shall not be considered in determining a student's point-hour ratio under Rule 37.05.

It is recommended that the above Rule as amended by action of the Faculty Council be adopted.

Upon motion of Mr. Davis, seconded by Mr. Loop, the Board of Trustees by a unanimous roll call vote approved the foregoing recommendation, and the Secretary was authorized to amend Rule 35.07 of Rules for the University Faculty accordingly.

C. Establishment of a Pre-Professional and Professional Division in the College of Education for the Teacher-Education Curricula

The faculty and administration of the College of Education have had under consideration for the past academic year the admission and selective retention standards for the teacher-education curricula with the objective in mind of raising the quality level of its candidates for graduation in the program for the degree of Bachelor of Science in Education. As a result of these deliberations, it is now proposed that the teacher-education curricula in the College be reorganized into a two-year Pre-Professional Education Division and a two-year Professional Education Division. The proposal which is listed in detail below has been approved by the Council on Instruction and the Faculty Council at its meeting on May 12, 1964.

To implement the above proposal, it is now recommended that the Board of Trustees take favorable action on the items listed below.

1. That there be established within the College of Education teacher-education curricula two divisions:

I. GENERAL RECOMMENDATIONS (continued)

C. Establishment of a Pre-Professional and Professional Division in the College of Education for the Teacher-Education Curricula (continued)

- a. A Pre-Professional Education Division to administer the first and second years in the teacher-education curricula which shall include the completion of approximately 100 quarter hours of credit;
 - b. A Professional Education Division to administer the third and fourth years of the teacher-education curricula which lead to the Bachelor of Science in Education degree.
2. That the admission requirements for the Pre-Professional Education Division shall be equivalent to the admission requirement to the University and that the requirements to the Professional Education Division will be as follows, effective Autumn Quarter 1964:
- a. Attainment of a cumulative point-hour ratio of 2.25 or above in all college work undertaken at The Ohio State University and elsewhere.
 - b. Satisfactory evidence of skill in English exhibited by obtaining an average of 2.0 or better in the freshman English courses taken at The Ohio State University (English 416, 417, 418) or by obtaining a grade of "C" or better in English 418. Transfer students from other institutions who have received "K" credit for all three freshman English courses will be considered to have met the required standard.
 - c. Satisfactory rating of the student's progress and potentiality as evidenced by a rating on the part of the area faculty with which the student is working. This rating will reflect his course work and progress to date and an interview with an advisor in the area.
 - d. Adequate speech, hearing, and health status to perform the functions required of a teacher.

It is further recommended that the Secretary be instructed and authorized to make such changes in the By-Laws of the Board of Trustees and Rules for the University Faculty as are required to implement the foregoing recommendations.

Upon motion of Mr. Loop, seconded by Mr. Davis, the Board of Trustees approved the above recommendation by a unanimous roll call vote, and the Secretary was instructed and authorized to make such changes in the By-Laws of the Board of Trustees and Rules for the University Faculty as are required as a result of the foregoing changes.

June 5, 1964 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

D. Naming of Building - North Commons (Dining Facility Northwest)

Upon the proposal of Mr. Frederick Stecker, Executive Director for University Relations, after consultation with appropriate administrative officers of the University, it is recommended that the building now identified as "Dining Facility Northwest," to be erected at 136 West Frambes Avenue, be named "North Commons" in memory of the late William A. North. Mr. North became the University's first police officer in 1909 and served until 1944. During that period he was known and held with great affection by thousands of students, faculty, and alumni.

This proposal has the concurrence of the President's Cabinet and is in accordance with the By-Laws of the Board of Trustees. It is hereby recommended for your approval.

Upon motion of Mr. Loop, seconded by Mr. Davis, the Board of Trustees by a unanimous roll call vote approved the naming of the dining facility located at 136 West Frambes Avenue as "North Commons."

E. Degrees and Certificates Conferred -
Spring Quarter Commencement Convocation

It is recommended that degrees and certificates be conferred at the Spring Quarter Commencement Convocation on June 12, 1964, to those students who have completed the requirements for their respective degrees and certificates and are recommended by the Faculty Council. The names of those awarded degrees and certificates will be included in the minutes of this meeting. (See Appendix VII, page 475.)

Upon motion of Mr. Davis, seconded by Mr. Jones, the Board of Trustees approved the above recommendation by a unanimous roll call vote.

F. Transfer of New Wing and Remodeled Research Area of the Columbus
Psychiatric Hospital (Upham Hall) to The Ohio State University

A letter dated May 20, 1964, from the Director of Mental Hygiene and Correction, Mr. Martin A. Janis, advises that the new wing and remodeled research area of the Columbus Psychiatric Hospital (Upham Hall) have been completed, are operating within design limits, and are ready for transfer to the Board of Trustees of The Ohio State University, pursuant to the provisions of Section 3 (A) of Amended S. B. 453, enacted July 3, 1961.

With the concurrence of the Office of the Attorney General of Ohio, it is recommended that the transfer of the facilities identified above be accepted, and that the Secretary be instructed to communicate this information to the Director of Mental Hygiene and Correction on behalf of the Board of Trustees.

It is further recommended that the President be authorized to take such action as he deems necessary to assure the proper assumption of

II. PERSONNEL CHANGES

It is recommended that all personnel changes since the May 15, 1964 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Promotions, Appointment, Leave of Absence With Salary, Leaves of Absence Without Salary, Emeritus Titles, New and Reappointments of Department Chairmen and Directors of Schools, and Promotions in Academic Rank.

A. Promotions

John R. Wilson, D.D.S. from Associate Dean to Dean of the College of Dentistry, effective January 1, 1965, at a salary of \$20,772.00 per annum.

George R. St. Pierre from Associate Professor, Department of Metallurgical Engineering, to Associate Dean (part time - 33%), Graduate School, effective July 1, 1964, and Professor (part time - 67%), Department of Metallurgical Engineering, effective October 1, 1964, at a total salary of \$17,580.00 per annum.

Kenneth W. Wheeler from Instructor, Department of History, to Assistant Dean and Secretary, Graduate School, effective July 1, 1964, at a salary of \$9,768.00 per annum.

B. Appointment

Leo J. Raskind, Professor, College of Law, effective October 1, 1964, at a salary of \$15,168.00 per annum.

C. Leave of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 12, 1954, the following-named person is recommended for Leave of Absence With Salary from the Agricultural Extension Service for the period indicated.

Leota L. Balsizer, Instructor (County Extension Agent, Home Economics) Sandusky County, June 16, 1964 through July 31, 1964, to study at Colorado State University.

D. Leaves of Absence Without Salary

Henry B. Mann, Professor, Mathematics, October 1, 1964 through September 30, 1965, to engage in research at the Army Research Center, Madison, Wisconsin.

William W. Van Alstyne, Professor, College of Law, October 1, 1964 through September 30, 1965, to engage in research as a Sterling Fellow at Yale University.

Angelo Margaris, Associate Professor, Mathematics, October 1, 1964 through September 30, 1965, to engage in research at the University of California, Berkeley, California.

June 5, 1964 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

D. Leaves of Absence Without Salary (continued)

David D. Jenkins, Instructor (County Extension Agent, 4-H), Ohio Cooperative Extension Service, June 16, 1964 through December 31, 1964, to study at The Ohio State University.

Donald Orth, Instructor, Mathematics, October 1, 1964 through September 30, 1965, to engage in research at the University of California, San Diego, California.

Eldon C. Schrinier, Instructor (County Extension Agent, 4-H), Ohio Cooperative Extension Service, June 16, 1964 through December 15, 1964, to study at The Ohio State University.

E. Emeritus Titles

Frederic W. Heimberger, Office of Instruction, with the title Dean of Faculties Emeritus, effective July 1, 1964.

Dr. Heimberger's retirement will become effective June 30, 1964, pursuant to the policy relating to the retirement of Vice Presidents adopted by the Board of Trustees June 4, 1954, and amended by the Board on July 8, 1957, February 6, 1959, and April 10, 1959.

Chester S. Hutchison, College of Agriculture and Home Economics, with the title Assistant Dean Emeritus, effective September 1, 1964.

Robert D. Patton, Economics, with the title Professor Emeritus, effective September 1, 1964.

Justina D. Epp, Slavic Languages and Literatures, with the title Assistant Professor Emeritus, effective September 1, 1964.

F. New and Reappointments of Department Chairmen and Directors of Schools

<u>Department or School</u>	<u>Chairman or Director</u>	<u>Reappointed to</u>
Aeronautical and Astronautical Engineering	Garvin L. Von Eschen	June 30, 1968
School of Architecture and Landscape Architecture	Elliot L. Whitaker	June 30, 1968
Chemical Engineering	Joseph H. Koffolt	June 30, 1968
Civil Engineering	Hamilton Gray	June 30, 1968
Electrical Engineering	E. E. Dreese	September 30, 1968
Engineering Drawing	Paul Yarrington	June 30, 1968

June 5, 1964 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

F. New and Reappointments of Department Chairmen and Directors of Schools
(continued)

<u>Department or School</u>	<u>Chairman or Director</u>	<u>Reappointed to</u>
Engineering Mechanics	Charles T. West	September 30, 1968
Geodetic Science	Urho Uotila	June 30, 1968
Geology	Howard J. Pincus	September 30, 1968
Industrial Engineering	David F. Baker	September 30, 1968
Mechanical Engineering	Salvatore M. Marco	September 30, 1968
Metallurgical Engineering	Mars G. Fontana	June 30, 1968
Occupational Therapy	Barbara Locher	June 30, 1968
School of Optometry	Glenn Fry	June 30, 1968
Philosophy	Everett Nelson	June 30, 1968
Photography	Francis W. Davis	June 30, 1968
Surgery	Robert M. Zollinger	June 30, 1968
Welding Engineering	Roy B. McCauley	June 30, 1968

G. Promotions in Academic Rank

(Effective October 1, 1964 unless marked with * which
indicates effective July 1, 1964)

College of Agriculture and Home Economics

To Professor:

*H. R. Conrad - Dairy Science
*F. B. McCormick - Agricultural Economics and Rural Sociology
*R. E. Taylor - Agricultural Education

To Associate Professor:

*Mary Millican - School of Home Economics
*E. D. Rudolph - Botany and Plant Pathology
*J. R. Staubus - Dairy Science
*F. E. Walker - Agricultural Economics and Rural Sociology

To Assistant Professor:

Winston Bash - Horticulture and Forestry
*C. J. Cunningham - Agricultural Education
*C. H. Ingraham - Agricultural Economics and Rural Sociology

College of Arts and Sciences

To Professor:

Paul Barton - School of Journalism
Eleanor W. Bulatkin - Romance Languages
Roy H. Bowen - Speech
Robert C. Fisher - Mathematics

June 5, 1964 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

G. Promotions in Academic Rank (continued)

College of Arts and Sciences (continued)

To Professor: (continued)

W. C. Fotheringham - Speech
David A. Griffin - Romance Languages
Philip S. Jastram - Physics
E. Leonard Jossem - Physics
Richard M. Mall - Speech
George E. Moore, Jr. - Geology
Carl E. Nielsen - Physics
Philip P. Poirier - History
Kenneth R. Scholberg - Romance Languages
John H. Shaw - Physics

To Associate Professor:

Bogdan Bajsanski - Mathematics
Walter K. Bonsack - Astronomy
*Matthew Bruccoli - English
Francis W. Carroll - Mathematics
Eugene Ching - East Asian Division
Martha E. Frosch - Romance Languages
James R. Gaines - Physics
Sheila G. Goff - Speech
Wolfgang P. Kappe - Mathematics
Robert J. Lenardon - Classical Languages
Kurt Reibel - Physics
William R. Riley - Physics
*Walter W. Seifert - School of Journalism
John J. TePaske - History
*Urho A. Uotila - Geodetic Science
*Bradford W. Wild - School of Optometry
Chen Ping Yang - Physics
Joseph A. Zilber - Mathematics

To Assistant Professor:

Ilseadore M. Edse - German
Rosamond England - English
Jess B. Eskridge - School of Optometry
*Sanjib K. Ghosh - Geodetic Science
Glenn H. Goodman - German
*Barney J. Laeuffer - School of Journalism
Mark P. O. Morford - Classical Languages
John C. Morrow - Speech
Richard I. Rieke - Speech
Arnold Shapiro - English
Nolan Smith - English

June 5, 1964 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

G. Promotions in Academic Rank (continued)

College of Commerce and Administration

To Professor:

*Alfred C. Clarke - Sociology and Anthropology
Henry L. Hunker - Geography

To Associate Professor:

J. A. Black - Business Organization
Joseph T. Crymes - School of Social Work
A. F. Doody - Business Organization
Thomas G. Eynon - Sociology and Anthropology
David B. McCalmont - Economics
W. M. Morgenroth - Business Organization

To Assistant Professor:

Patrick T. Cleaver - Sociology and Anthropology
Agnes M. Gordon - Accounting

College of Dentistry

To Professor:

*Benjamin H. Williams

To Associate Professor:

Robert T. Trippy

College of Education

To Professor:

*Desmond Cook - Bureau of Educational Research and Service
Charles Csuri - School of Art
G. Epperson - School of Music
Jack Frymier - Education
Elizabeth Maccia - Bureau of Educational Research and Service
George S. Maccia - Education
Willis E. Ray - Education
Donald Wood - School of Art

To Associate Professor:

E. Barker - Psychology
C. Benner - School of Music
Edward Hewett - School of Art
Karl Openshaw - Bureau of Educational Research and Service
*Arliss L. Roaden - Education

June 5, 1964 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

G. Promotions in Academic Rank (continued)

College of Education (continued)

To Associate Professor: (continued)

L. Schmidt - Psychology
Willavene Wolf - Bureau of Educational Research and Service
Frank J. Zidonis - Education

To Assistant Professor:

Hans Hohlwein - School of Art
William Krueger - School of Art
James Rubright - School of Art

College of Engineering

To Professor:

Robert S. Brodkey - Chemical Engineering
John D. Cowan, Jr. - Electrical Engineering
John P. Hirth - Metallurgical Engineering
Charles D. Jones - Mechanical Engineering
Arthur W. Leissa - Engineering Mechanics
Morris Ojalvo - Civil Engineering
George R. St. Pierre - Metallurgical Engineering
Henry F. Wenden - Mineralogy
*Paul T. Yarrington - Engineering Drawing

To Associate Professor:

*Richard W. Bletzacker - Civil Engineering
Dean T. Davis - Electrical Engineering
William A. Drake - Photography
Robert T. Nash - Electrical Engineering
*Johannes F. Schwar - Civil Engineering
Charles F. Sepsy - Mechanical Engineering

To Assistant Professor:

Randall F. Barron - Mechanical Engineering
*George C. Chapman - Aviation
Joseph K. Davidson - Mechanical Engineering
Walter C. Giffin - Industrial Engineering
Thomas E. Hoover - Industrial Engineering
*Robert M. Nerem - Aeronautical and Astronautical Engineering
*Stuart L. Petrie - Aeronautical and Astronautical Engineering

June 5, 1964 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

G. Promotions in Academic Rank (continued)

College of Law

To Professor:

William T. Burke
Paul D. Carrington
Lawrence Herman
William Van Alstyne

To Associate Professor:

*Lorin Slagle, Jr.

College of Medicine

To Professor:

*David G. Cornwell - Physiological Chemistry
*Bertram D. Dinman - Preventive Medicine
*William E. Hunt - Surgery

To Associate Professor:

*G. Adolph Ackerman - Anatomy

To Assistant Professor:

*Carol J. Fair - School of Nursing
Frederick J. Julyan - Anatomy
*Vernon C. Stevens - Obstetrics and Gynecology

To Instructor:

*Norma L. Singer - Ophthalmology

College of Pharmacy

To Associate Professor:

*Harold H. Wolf

To Assistant Professor:

*David A. Knapp

College of Veterinary Medicine

To Professor:

*Richard A. Griesemer - Pathology
*Adalbert Koestner - Pathology

June 5, 1964 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

G. Promotions in Academic Rank (continued)

College of Veterinary Medicine (continued)

To Associate Professor:

*George P. Wilson III - Surgery

To Assistant Professor:

*Philip W. Murdick - Medicine

Office of Instruction

To Assistant Professor:

M. Derrenbacher - Library

R. Gray - Library

J. Walling - Library

Office of Educational Services

To Associate Professor:

Mary Beyrer - Women's Physical Education

Evelyn Rupert - Women's Physical Education

To Instructor:

Vickie Blaine - Women's Physical Education

Upon motion of Mr. Davis, seconded by Mr. Dargusch, the Promotions, Appointment, Leave of Absence With Salary, Leaves of Absence Without Salary, Emeritus Titles, New and Reappointments of Department Chairmen and Directors of Schools, Promotions in Academic Rank, and the personnel budget actions as recorded in the official "Salary Roll" of the University were approved unanimously by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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III. GENERAL CONTRACTS AND AGREEMENTS

A. The Ohio State University and The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal

- a. Department of the Navy, Office of Naval Research, Washington, D. C., for an Investigation of Thermodynamic Properties of the Lower Oxides of Boron (to be known as Office of Naval Research Project No. 691 - Amend. #11 - Department of Chemistry).
Gross Value - \$71,753.00.
- b. Department of Health, Education and Welfare, Public Health Service, Bureau of State Services, Washington, D. C., for an Investigation of Chemical Factors in Host Plant Selection by Insects (to be known as Bureau of State Services Project No. 1088 - Ext. #4 - College of Pharmacy).
Gross Value - \$9,780.00.
- c. Department of Health, Education and Welfare, Public Health Service, Washington, D. C., To Train Cytotechnologists (to be known as Public Health Service Project No. 1154 - Ext. #4 - Department of Pathology).
Gross Value - \$24,500.00.
- d. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Effect of Hypoglycemic Agents on Cell Metabolism (to be known as National Institutes of Health Project No. 1158 - Ext. #4 - Department of Medicine).
Gross Value - \$18,146.00.
- e. Systems Engineering Group, Research and Technology Division, Wright-Patterson Air Force Base, Ohio, for A Study of the Stability of Tungsten in Carburizing and Oxidizing Atmospheres (to be known as Systems Engineering Group, Research and Technology Division Project No. 1247 - Sup. #8 - Department of Metallurgical Engineering).
Gross Value - \$15,000.00.
- f. Systems Engineering Group, Research and Technology Division, Wright-Patterson Air Force Base, Ohio, for Research on Etch Pit Investigation of Iron Whiskers (to be known as Systems Engineering Group, Research and Technology Division Project No. 1262 - Sup. #7 - Engineering Experiment Station).
Gross Value - \$24,895.00.
- g. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Spontaneous and Experimental Endometrial Carcinoma (to be known as National Institutes of Health Project No. 1281 - Sup. #1 - Department of Pathology).
Gross Value - \$6,032.00.

June 5, 1964 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- h. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Variability in Driving Performance on the Highway (to be known as National Institutes of Health Project No. 1450 - Ext. #2 - Engineering Experiment Station).
Gross Value - \$38,304.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Methods of Image Intensification Applied to Radiology (to be known as National Institutes of Health Project No. 1462 - Ext. #2 - College of Dentistry and Department of Physics).
Gross Value - \$20,400.00.
- j. Department of Health, Education and Welfare, Public Health Service, Bureau of State Services, Washington, D. C., for an Investigation of the Diatoms of the West End of Lake Erie (to be known as Bureau of State Services Project No. 1464 - Ext. #2 - Department of Botany and Plant Pathology).
Gross Value - \$9,540.00.
- k. Sandia Corporation, Purchasing Organization, P. O. Box 5800, Albuquerque, New Mexico, for a Research Investigation of Uranium Corrosion (to be known as Sandia Corporation Project No. 1545 - C. O. #4 - Department of Metallurgical Engineering).
Gross Value - \$4,227.00.
- l. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for Chemical Studies of Stimulated Retina (to be known as National Institutes of Health Project No. 1575 - Sup. #2 - Institute for Research in Vision).
Gross Value - \$4,392.00.
- m. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Tissue Heparin Levels in Fetus and Newborn (to be known as National Institutes of Health Project No. 1592 - Sup. #1 - Children's Hospital).
Gross Value - \$4,000.00.
- n. Classified Program (to be known as Classified Program Project No. 1641 - Sup. #1 - Department of Electrical Engineering).
Gross Value - \$100,000.00.

June 5, 1964 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- o. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Conformational Aspects of Drug Action (to be known as National Institutes of Health Project No. 1650 - Ext. #1 - College of Pharmacy).
Gross Value - \$11,100.00.
- p. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for A Cross-Cultural Study of Dissociational States (to be known as National Institutes of Health Project No. 1652 - Ext. #1 - Department of Sociology and Anthropology).
Gross Value - \$29,796.00.
- q. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Psychotropic Drugs and Phenotypical Behaviors (to be known as National Institutes of Health Project No. 1653 - Ext. #1 - College of Pharmacy).
Gross Value - \$4,800.00.
- r. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for An Experimental Demonstration and Evaluation Project (to be known as National Institutes of Health Project No. 1659 - Ext. #1 - Department of Sociology and Anthropology).
Gross Value - \$60,813.00.
- s. U. S. Department of Agriculture, Agricultural Research Service, Northern Utilization R&D Division, 1815 North University Street, Peoria, Illinois, for Basic Investigations on the Organic Chemistry of Unsaturated and Sulfur-Containing Carbohydrates (to be known as Agricultural Research Service Project No. 1827 - New - Department of Chemistry).
Gross Value - \$73,750.00.
- t. U. S. Army Natick Laboratories, Natick, Massachusetts, for an Environmental Study of Sukkertoppen Ice Cap, Southwest Greenland (to be known as U. S. Army Natick Laboratories Project No. 1830 - New - Institute of Polar Studies).
Gross Value - \$24,424.00.
- u. Department of Health, Education and Welfare, Office of Education, Washington, D. C., for Development of Educational Theory Derived from Three Models (to be known as Office of Education Project No. 1832 - New - Bureau of Educational Research and Service).
Gross Value - \$48,648.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- v. Department of Health, Education and Welfare, Office of Education, Washington, D. C., for an Investigation of Critical Reading Ability of Elementary School Children (to be known as Office of Education Project No. 1833 - New - Bureau of Educational Research and Service).
Gross Value - \$84,954.00.
- w. Department of Health, Education and Welfare, Office of Education, Washington, D. C., for A Review and Appraisal of Adult Literacy Materials and Programs (to be known as Office of Education Project No. 1834 - New - Department of Education).
Gross Value - \$26,758.00.
- x. R&D Procurement Office, U. S. Army Engineer R&D Laboratories, Fort Belvoir, Virginia, for The Systematic Correction and Weighting of Analogue Aerial Triangulation Observations and Their Use in Strip and Block Adjustments (to be known as U. S. Army Engineer R&D Laboratories Project No. 1835 - New - Department of Geodetic Science).
Gross Value - \$9,018.00.
- y. Department of Health, Education and Welfare, Office of Education, Washington, D. C., for an Investigation of Community Conflict Related to School District Reorganization (to be known as Office of Education Project No. 1836 - New - Department of Sociology and Anthropology).
Gross Value - \$7,730.00.
- z. National Science Foundation, Washington, D. C., for Traverse Glaciology, 1964-65 (to be known as National Science Foundation Project No. 1838 - New - Institute of Polar Studies).
Gross Value - \$20,000.00.
- aa. National Science Foundation, Washington, D. C., for an Investigation of Volcanic Rocks of Ross Island (to be known as National Science Foundation Project No. 1839 - New - Institute of Polar Studies).
Gross Value - \$28,200.00.
- bb. National Science Foundation, Washington, D. C., for Geology of the Wisconsin Range, Western Horlick Mountains, Antarctica (to be known as National Science Foundation Project No. 1840 - New - Institute of Polar Studies).
Gross Value - \$57,500.00.

June 5, 1964 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and

The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- cc. National Science Foundation, Washington, D. C., for an Investigation of the Chemistry of Cyclic Amides and Nitrogen-Containing Ketones (to be known as National Science Foundation Project No. 1841 - New - Department of Chemistry).
Gross Value - \$35,700.00.
- dd. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Chemistry, Metabolism and Immunology of Gangliosides (to be known as National Institutes of Health Project No. 1842 - New - Department of Psychiatry).
Gross Value - \$38,773.00.
- ee. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, for an Investigation of Inherited Caries Resistance in Gnotobiotic Animals (to be known as National Institutes of Health Project No. 1843 - New - College of Dentistry).
Gross Value - \$14,580.00.

TOTAL - Government Contracts - Federal \$927,513.00

2. Industrial and Other Contracts

- a. Ohio Tuberculosis and Health Association, 1575 Neil Avenue, Columbus, Ohio, for an Investigation of Autoimmunization in Experimental Tuberculosis (to be known as Ohio Tuberculosis and Health Association Project No. 764 - Ext. #7 - Department of Microbiology).
Gross Value - \$3,614.00.
- b. Paint Research Institute, 2104 Douglass Boulevard, Louisville, Kentucky, for an Investigation of New Phenolic Intermediates (to be known as Paint Research Institute Project No. 1695 - Ext. #1 - Department of Chemical Engineering).
Gross Value - \$6,228.00.
- c. The Population Council, 230 Park Avenue, New York, New York, for Estimates of Demographic Measures for Pakistan (to be known as The Population Council Project No. 1831 - New - Department of Sociology and Anthropology).
Gross Value - \$3,500.00.

June 5, 1964 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- d. G. T. Schjeldahl Company, Northfield, Minnesota, for Photogrammetric Research and Measurement of Spheres (to be known as the G. T. Schjeldahl Company Project No. 1837 - New - Department of Geodetic Science).
Gross Value - \$19,956.00.

TOTAL - Industrial and Other Contracts \$33,298.00

The foregoing thirty-five contracts for research in cooperation with Government, Industry and Other represent a gross income of \$960,811.00.

Upon motion of Mr. Davis, seconded by Mr. Loop, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were approved by unanimous consent.

B. The Report of the Research Contracts
from the Engineering Experiment Station

During the period from May 1, 1964 through May 22, 1964, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record.

1. Government Research Contracts

EES-189 A Study of Roadside Maintenance and Its Effects on Highway
Ext. #3 Design and Construction, Ohio Department of Highways,
Columbus, Ohio, Bureau of Public Roads, Washington,
D. C.
Gross Value - \$33,390.00.

EES-196 Terrain Investigation Techniques for Highway Engineers,
Ext. #2 Ohio Department of Highways, Columbus, Ohio, Bureau of
Public Roads, Washington, D. C.
Gross Value - \$5,280.00.

TOTAL - Government Research Contracts \$38,670.00.

2. Industrial Research Contracts

EES-158 Interfacial Tension Between Liquid Iron and Slag, American
Ext. #5 Iron and Steel Institute, New York, New York.
Gross Value - \$25,000.00.

EES-231 Basic Research on the Corrosion of Iron and Steel, American
Ext. #1 Iron and Steel Institute, New York, New York.
Gross Value - \$20,000.00.

June 5, 1964 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts from the Engineering Experiment Station

2. Industrial Research Contracts (continued)

EES-247 A Study of Vee-Belts, Dayco Corporation, Belt Engineering
Department, Springfield, Missouri.
Gross Value - \$3,464.00.

TOTAL - Industrial Research Contracts \$48,464.00

The foregoing five contracts for research in the Engineering Experiment
Station represent a gross income of \$87,134.00.

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IV. GRANTS AND GIFTS

The following grants and gifts to the University, including the establishment of
certain scholarship and memorial funds, are hereby reported for the record and
appropriate expressions of appreciation have been conveyed:

A. Administered Through the Office of Business and Finance

1. \$75,580.00 granted by the Department of Health, Education and Welfare,
Public Health Service, National Institutes of Health, Bethesda 14,
Maryland, to the University for "Training in Medical Cardiology,"
under the direction of Dr. James V. Warren, Department of Medicine,
for the period July 1, 1964 through June 30, 1965. (Continuing project
reported to the Board April 6, 1962.) (Grant 5 T1 HE 5546-04)
2. \$64,864.00 granted by the Department of Health, Education and Welfare,
Public Health Service, Bureau of State Services, Washington, D. C.
20201, to the University for "Training Program in Occupational Health,"
under the direction of Dr. William F. Ashe, Department of Preventive
Medicine, for the period July 1, 1964 through June 30, 1965. (Grant
8 T1 ES 32-02 - Formerly GM 1134-01)
3. \$38,799.00 granted by the U. S. Department of Health, Education and
Welfare, Public Health Service, National Institutes of Health, Bethesda 14,
Maryland, to the University for "Graduate Training in Social Work," under
the direction of Dr. Samuel P. Daykin, School of Social Work, for the
period July 1, 1964 through June 30, 1965. (Grant 5 T1 MH-8254-02)
4. \$32,971.00 granted by the Department of Health, Education and Welfare,
Public Health Service, Bureau of State Services, Washington, D. C.
20201, to the University for "Training in Water Supply and Pollution
Control," under the direction of Dr. Charles A. Dambach, Natural
Resources Institute, for the period July 1, 1964 through June 30, 1965.
(Grant 1T1-WP-39-01A1)

June 5, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

5. \$25,424.00 granted by the U. S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Training - Experimental-General Psychology," under the direction of Dr. Delos D. Wickens, Department of Psychology, for the period July 1, 1964 through June 30, 1965. (Grant 1 T1 MH-8526-01)
6. \$21,600.00 granted by the U. S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Training - Psychiatry," under the direction of Dr. Leonard P. Ristine, Department of Psychiatry, for the period July 1, 1964 through June 30, 1965. (Grant 1 T1 MH-8386-01)
7. \$21,493.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for a "Development Award - Study of the Carcinogenesis of the Female Reproductive Organs," under the direction of Dr. Emmerich von Haam and Dr. Dante G. Scarpelli, Department of Pathology, for the period July 1, 1964 through June 30, 1965. (Continuing project reported to the Board March 15, 1962.) (Grant 5-K3-GM-15,104-08)
8. \$17,304.00 granted by the U. S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Training - Physiological Psychology," under the direction of Dr. Donald R. Meyer, Department of Psychology, for the period July 1, 1964 through June 30, 1965. (Grant 5 T1 MH-6748-07)
9. \$14,904.00 granted by the U. S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Training - Psychiatry," under the direction of Dr. Leonard P. Ristine, Department of Psychiatry, for the period July 1, 1964 through June 30, 1965. (Grant 1 T1 MH-8458-01)
10. \$13,550.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Training Grant - Tropical Medicine and Parasitology," under the direction of Dr. G. W. Wharton, Department of Zoology and Entomology, for the period July 1, 1964 through June 30, 1965. (Continuing project reported to the Board February 16, 1962.) (Grant 5 T1 AI 216-04)
11. \$12,320.00 granted by the National Science Foundation to the University for support of an "Undergraduate Instructional Scientific Equipment Program," under the direction of Dean Lloyd M. Parks, College of Pharmacy. This grant terminates May 31, 1966. (Grant GE-5259)

June 5, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

12. \$11,800.00 granted by the National Science Foundation to the University for support of an "Undergraduate Instructional Scientific Equipment Program," under the direction of Dr. R. E. Stewart, Department of Agricultural Engineering. This grant terminates May 31, 1966. (Grant GE-5079)
13. \$10,000.00 granted by the National Science Foundation to the University for support of an "Undergraduate Instructional Scientific Equipment Program," under the direction of Dr. Robert J. Wherry, Department of Psychology. This grant terminates May 31, 1966. (Grant GE-4878)
14. \$7,720.00 granted by the Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to be added to the support of the "Grants-in-Aid Program for Training Teachers of the Deaf under Public Law 87-286," supervised by the College of Education. This amount is to be added to the \$12,280.00 from a previous grant.
15. \$5,467.00 granted by the U. S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Training- Psychiatry," under the direction of Dr. Leonard P. Ristine, Department of Psychiatry, for the period July 1, 1964 through June 30, 1965. (Grant 1 T1 MH-8385-01)
16. \$1,944.00 granted by the U. S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Training - Social Work," under the direction of Professor Merriss Cornell, School of Social Work, for the period July 1, 1964 through June 30, 1965. (Grant 5 T1 MH-7507-04)

TOTAL - Through the Office of Business and Finance \$375,740.00

B. Received Through the Development Fund

1. \$10,000.00 from The Bremer Foundation, Youngstown, Ohio, for research in the College of Medicine.
2. \$6,544.31 from the Carrie May Horan Trust for scientific research, especially causes, cure, and treatment for diseases of the blood-- leukemia in particular.
3. \$6,007.08 from Midwest Foundation for Research and Education for cancer research in the Department of Surgery.
4. \$6,000.00 from Charles Pfizer and Company, Inc. for endocrine research in the College of Medicine.
5. \$5,500.00 from Ayerst Laboratories, New York, New York--\$4,000.00 for the Studybaker Memorial Fund and \$1,500.00 for research in the Department of Obstetrics and Gynecology.

June 5, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

6. \$5,000.00 from Mrs. J. I. Falconer for the Ag-Econ Fund.

Ag-Econ Fund

The Ag-Econ Fund was established May 21, 1964, by a gift through the Development Fund from Mrs. J. I. Falconer in memory of her late husband, Professor J. I. Falconer, for the purpose of starting the Agricultural Economics and Rural Sociology Aid Fund, to be referred to as the Ag-Econ Fund.

The principal is to be invested under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The income (in special cases, or if indicated by the donor, some of the principal) is to be used to encourage scholarship, graduate study, research, and writing in the fields of Agricultural Economics and Rural Sociology as recommended by the Graduate Committee of the Department of Agricultural Economics and Rural Sociology.

7. \$4,500.00 from Owens-Illinois Glass Company for the Owens-Illinois Fellowship in Ceramic Engineering.
8. \$4,200.00 from North American Aviation, Inc. for the North American Aviation Fellowship in Aviation Medicine.
9. \$3,800.00 from Midwest Foundation for Research and Education for research in the Department of Obstetrics and Gynecology.
10. \$3,608.00 from the Trust under the Will of Anna Roessler for scholarships in the College of Medicine.
11. \$3,071.25 from the Estate of Clara Ewalt to be added to The Clara Ewalt Memorial Scholarship Fund.
12. \$3,000.00 from American Cyanamid Company for the Cyanamid Faculty Support Grant for the year 1964 in the Department of Chemistry.
13. \$2,500.00 from Beechan Research Laboratories, Inc. for the Infectious Disease Research Fund.
14. \$2,023.00 from the Fund for Dental Education, Inc. for the Dental Student Loan Fund.
15. \$1,800.00 from Texaco, Inc. for support of a scholarship program for the 1964-65 academic year.

June 5, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

16. \$1,666.67 from Isadore and Ida Topper for the George R. Beneman Memorial Award.

The George R. Beneman Memorial Award

The George R. Beneman Memorial Award was established May 25, 1964, by a gift through the Development Fund from Isadore and Ida Topper to honor the memory of their friend, George R. Beneman, an attorney of Washington, D. C. The principal is to be invested in accordance with Section 3345.16 G. C. Income from this fund is to be used annually as an award in recognition of outstanding performance in the Moot Court Program of the College of Law. Decision as to the type of performance to be recognized and the recipient to be honored is vested in the Dean of the College of Law, on recommendation of the Faculty Adviser to the Moot Court.

Should there come a time when in the judgment of the Dean and Faculty of the College of Law any reward for Moot Court distinction no longer serves a sound educational purpose in the College, the income from this Fund is to be used for other recognition of law student achievement as directed by the Dean with the approval of the Faculty of the College of Law.

17. \$1,150.00 from the Estate of Edna A. Stone for the Julius F. Stone Fund for Medical Research.
18. \$1,000.00 from Dr. James R. Hull to be added to the fund for the construction of a new residence for the President.
19. \$1,000.00 from The Ohio Manufacturers' Association, Columbus, Ohio, for the Continuing Education Project in the College of Commerce and Administration.
20. \$1,000.00 from Robert Lazarus for the scholarship fund.

TOTAL - Through the Development Fund \$73,371.31

21. A gift in the amount of \$3,300.74 was received from Frank K. Griesinger and was reported to the Board on February 14, 1964. It will be deposited in accordance with the following for the establishment of the Frank K. Griesinger Scholarship Fund.

Frank K. Griesinger Scholarship Fund

The Frank K. Griesinger Scholarship Fund was established December 27, 1963, by a gift from Frank K. Griesinger, B.Sc. Bus. Adm. '38.

The principal is to be invested according to rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

June 5, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

21. Frank K. Griesinger Scholarship Fund (continued)

The income is to be used for scholarships to deserving students at The Ohio State University, enrolled in the College of Commerce and Administration or the College of Arts and Sciences.

In the event that the need for such scholarships should cease to exist or so diminish as to create unused income, then the Board of Trustees of said University may use this said income in its discretion for any appropriate University purpose.

C. Gifts-in-Kind

1. Under the Last Will and Testament of Howard B. Monett, deceased, The Huntington National Bank of Columbus, Ohio, Trustee, has transferred to The Ohio State University by Trustee's Deed dated June 1, 1964, two parcels of real estate located at 79 North High Street and 102 East Main Street, Columbus, Ohio. The said Last Will and Testament, among other provisions, contains the following, to wit:

Upon the death of my wife, Marie B. Monett, said trust shall cease and determine and the two parcels of real estate above described shall pass to and vest in The Ohio State University, absolutely and in fee simple except as hereinafter limited, and become a part of the permanent endowment fund of said University and be known as "The Howard B. Monett Foundation." The income from these properties shall be used for medical research at the College of Medicine of The Ohio State University, for the study and teaching of the origin and cause of human disease and the prevention thereof, with emphasis on cancer research, but not exclusively therefor; and in connection with the foregoing purposes to provide facilities and equipment needed, to establish and maintain scholarships and fellowships in said College of Medicine, to publish and disseminate the results of such study and research not only in scientific journals and medical publications, circulating to scientists and physicians, but also, and this I especially enjoin on the university, by popular publications, newspapers, public lectures and other appropriate and effective methods, to give to the people of the United States and the world generally the benefits of increased knowledge concerning the prevention of sickness and disease and the cure thereof.

The suggestions here made shall not be considered as limiting the College of Medicine, but it may use any means which from time to time shall to it seem expedient and effective to accomplish the aforesaid purposes.

The above identified gift-in-kind will be held in the University's Investment Portfolio.

June 5, 1964 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

C. Gifts-in-Kind (continued)

2. A Hewlett-Packard High Frequency Oscilloscope from the Hewlett-Packard Company, Palo Alto, California, to the Department of Electrical Engineering. (Appraised at \$2,400.00)

Upon motion of Mr. Davis, seconded by Mr. Jones, the above report of grants and gifts, including the establishment of certain memorial and scholarship funds, was accepted by unanimous roll call vote, and the Secretary was instructed to include the report in the minutes of this meeting.

D. Report from The Ohio State University Development Fund

In May, 1964, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	1,535	\$ 42,699.78
Individuals, other than alumni	79	9,381.14
Nonprofit organizations	38	54,636.38
Business concerns	22	44,975.20
	<u>1,674</u>	<u>\$151,692.50</u>

Of these gifts, 1,106 totaling \$11,184.68 were undesignated and 568 totaling \$140,507.82 were designated.

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V. APPROPRIATIONS AND TRANSFER OF FUNDS

A. The Mershon Fund Restricted Portion--Education in National Security

Based upon the anticipated earnings from the Mershon Fund during 1964-65, the Mershon Committee on Education in National Security under the chairmanship of Associate Dean Robert J. Nordstrom has proposed, with the concurrence of Vice Presidents Heimberger and Garrett, the following budget for 1964-65.

Budget Request

Social Science Division	\$232,640.00
Graduate Institute for World Affairs	18,700.00
Development of Genetics	15,000.00
Mershon Professors (not connected with Social Science Division)	16,750.00
Institute for Polar Studies	23,490.00

June 5, 1964 meeting, Board of Trustees

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

A. The Mershon Fund Restricted Portion--Education in National Security
(continued)

Biosynthetic Potential of Fungi	\$ 17,664.00
Research on Ocean Floor	11,000.00
Parametric Interactions of Radiation and Matter	25,875.00
Program Support	<u>8,000.00</u>
Total Operating Budget	\$369,119.00
Less Estimated Balance 1963-64	<u>70,000.00</u>
Total New Appropriation	\$299,119.00

It is hereby recommended that the Board of Trustees approve the budget request and an allocation not to exceed the amounts indicated above with the understanding that expenditures will be approved and administered under the authority of the President and through the offices of the Vice President for Instruction and Dean of Faculties and Vice President for Research, subject to quarterly allotments. It is recommended further that to cover this budget request \$299,119.00 be allocated from the civilian-military portion of the Mershon Fund and that the estimated balance of \$70,000.00 from the 1963-64 budget be reallocated.

Upon motion of Mr. Loop, seconded by Mr. Davis, the above recommendations were approved unanimously by roll call vote.

B. Appropriation of Funds for Matching National Science Foundation
Grants for Undergraduate Instructional Equipment

At the request of the Vice President for Instruction and Dean of Faculties, and with the concurrence of the Cabinet, it is recommended that the following amounts be appropriated from the University Treasurer Research Subaccounts as designated for matching National Science Foundation grants to the University for support of "Undergraduate Instructional Scientific Equipment Program" projects:

\$12,230.00 for the College of Pharmacy under the direction of Dr. Lloyd Parks to match \$12,230.00 granted by NSF	Subaccount (f)
\$10,000.00 for the Department of Psychology under the direction of Dr. Robert Wherry to match \$10,000.00 granted by NSF	Subaccount (f)
\$11,800.00 for the Department of Agricultural Engineering under the direction of Dr. Robert E. Stewart to match \$11,800.00 granted by NSF	Subaccount (f)

Upon motion of Mr. Davis, seconded by Mr. Loop, the above recommendation for appropriation of funds was approved unanimously by roll call vote.

June 5, 1964 meeting, Board of Trustees

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

C. Ohio Journal of Science

Upon the request of the Joint Administrative Board of the Ohio Journal of Science and with the concurrence of the Vice President for Research, it is recommended that \$3,000.00 be appropriated from Account No. 12953 for the use of the Ohio Journal of Science for the period from July 1, 1964 through June 30, 1965.

Upon motion of Mr. Loop, seconded by Mr. Jones, the above recommendation was approved by a unanimous roll call vote.

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VI. EXTRA ORDER AND EXTENSIONS OF TIME TO CONTRACTS

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra Order and Extensions of Time to Contracts as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated in each case.

A. Miami University - The Ohio State University, Dayton Campus, Phase I

General Contract

In order to improve the security provisions in Allyn Hall, it is recommended that the following changes be made:

1. Furnish and install safety alarm locks on doors 156 and 157 in the Library; locks for doors 410, 411, 465 and 466 of the Faculty Lounge; and a lock on door 419. Add \$493.68.
2. Furnish and install locks and stops for 18 doors, #468 through 485. Add \$693.00.

Total addition \$1,186.68

Funds for this extra order will be provided from Budget Account 91017.

B. Repairs in Room 154, Health Center Laboratory (Wiseman Hall)

It is recommended that an extension of time for completion of contracts on all divisions of this project be approved from May 25 to June 12, 1964. This extension is recommended because of a considerable delay in the delivery of the Laboratory Equipment.

June 5, 1964 meeting, Board of Trustees

VI. EXTRA ORDER AND EXTENSIONS OF TIME TO CONTRACTS (continued)

C. Housing for Metallurgical and Mineralogical Laboratories

It is recommended that an extension of time for completion of contracts on all divisions of this project be approved. The Laboratory Equipment Contract should be extended from August 17 to September 1, 1964, and the General, Heating and Ventilating, Plumbing and Electrical Contracts extended from July 18 to August 3, 1964. These extensions are recommended because of the delay caused by an 11-day strike of the bricklayers and building laborers.

Upon motion of Mr. Davis, seconded by Mr. Loop, the above recommendations were approved by unanimous roll call vote.

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VII. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of materials, and estimates of cost for the following projects be approved by the Board of Trustees.

A. Improvement of North End of Fyffe Road

This project provides an outlet for students in Married Housing to Lane Avenue so that the outlet at Hess Road and the River Road can be closed and it will also provide a service road to the laboratory facilities, the incinerator and the new athletic field.

Funds for this project will be provided from Budget Account 12350, Contract Repairs.

B. Food Facility (Phase II)

Phase II of this project includes the development of the Central Bakery and Vegetable Processing Room, a Pot and Pan Wash Area and the Process Steam Generating Plant.

Funds for this project will be provided from Account 86291, General Dormitory Fund, University Treasurer Account.

Upon motion of Mr. Jones, seconded by Mr. Loop, the above recommendation was approved by unanimous roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter will be reported to the Board of Trustees at a later meeting.

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June 5, 1964 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contracts for the following projects have been recommended for award and the action is hereby reported to the Board.

A. Repair and Resurface Sidewalks on Campus

Bids for this project were received on May 22, 1964, and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(3 bids received)		
Savage Blacktop Company (Columbus)	\$33,285.00	\$ 40,000.00

Funds for this project will be provided from the Maintenance Account in H. B. 711.

B. Repair Streets and Parking Areas on Campus

Bids for this project were received on May 22, 1964, and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(2 bids received)		
Max J. Zeller, Incorporated (Columbus)	\$93,785.00	\$103,440.00

Funds for this project will be provided from the Maintenance Account in H. B. 711.

C. Wall Washing Five Buildings

Bids for this project were received on May 22, 1964, and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(1 bid received)		
Ohio Window Cleaning Company (Columbus)	\$33,355.00	\$ 38,025.00

Funds for this project will be provided from the Maintenance Account in H. B. 711.

D. Interior Painting and Patch Plastering of Five Buildings

Bids were received for this project on May 22, 1964, and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(5 bids received)		
H. F. Mollenauer Painting Company (Columbus)	\$75,468.00	\$105,400.00

Funds for this project will be provided from the Maintenance Account in H. B. 711.

June 5, 1964 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

E. Repairing and Patching a Portion of the Exterior
Concrete Surface of the Stadium

Bids were received for this project on May 22, 1964, and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(6 bids received)		
Mid-Air Construction Company (Cleveland Heights)	\$13,800.00	\$ 20,000.00

Funds for this project will be provided from the Athletic Department Revenue Fund.

F. Exterior Painting of Twenty-Two Buildings

Bids were received for this project on May 22, 1964, and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(4 bids received)		
Bexley Decorating Co. (Columbus)	\$17,871.00	\$ 31,275.00

Funds for this project will be provided from the Maintenance Account in H. B. 711, Faculty Club and the Ohio Union.

G. Repairs to Roofs on Seven Buildings

Bids were received for this project on June 3, 1964, and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Revised Est. of Cost</u>
(4 bids received)		
Superior Roofing Company (Columbus)	\$33,746.00	\$ 36,000.00

Funds for this project will be provided from the Maintenance Account in H. B. 711, Hospital Rotary and Dormitory Revenue Fund.

H. Repairs to Curbs on the Streets on Campus

Bids were received for this project on June 3, 1964, and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Revised Est. of Cost</u>
(2 bids received)		
Phillip S. Mara, Inc. (Columbus)	\$ 5,760.00	\$ 6,000.00

Funds for this project will be provided from the Maintenance Account in H. B. 711.

June 5, 1964 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

I. Repairs to Exterior Masonry of Ten Buildings

Bids were received for this project on June 3, 1964, and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Revised Est. of Cost</u>
(4 bids received)		
Chamberlin Cleveland Co., Inc. (Cleveland)	\$84,500.00	\$100,000.00

Funds for this project will be provided from the Maintenance Account in H. B. 711 and Dormitory Revenue Fund.

Upon motion of Mr. Jones, seconded by Mr. Davis, the above award of contracts and expenditure of funds were approved and the action of the Vice President, Business and Finance, ratified by unanimous roll call vote.

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IX. CONTROLLING BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

- 63 Approves conditionally (dependent upon availability of funds from S. B. 370) the release of \$130,685.00 for plans for the Lima Branch from Item 315-018, S. B. 370.
- 75 Approves conditionally (dependent upon availability of funds from S. B. 370) the award of contracts for the project "Remodel Highway Testing Laboratory" notwithstanding the fact that the General Contract was above the estimate of cost and that the low bidder for the Electrical Contract was allowed to withdraw his bid by the State Architect on the grounds that they made an error in their bid thereby making the second lowest bidder acceptable.
- 85 Approves the expenditure of \$9,000.00 from Account 200 Maintenance, H. B. 711, for the project "Connection of Cold Water Supply Lines on the West Campus."

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X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Employment of Architects

On February 14, 1964, approval was granted to employ architects and engineers for services on several new projects to be financed by proceeds from the bond issue. At the request of the Dean of the College of Medicine and with the concurrence of the Dean of the College of Dentistry and the Director of Public Works, it was deemed advisable to make the following changes in assignment of projects:

June 5, 1964 meeting, Board of Trustees

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

A. Employment of Architects (continued)

Dan A. Carmichael, Architect (Heapy and Associates, Engineers)	From Dentistry Laboratories to College of Medicine
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Louis F. Karlsberger, Architect (Heapy and Associates, Engineers)	From College of Medicine to Dentistry Laboratories
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Upon motion of Mr. Jones, seconded by Mr. Davis, the above recommendation was approved and the action concerning the assignment of these architects on February 14 rescinded.

B. Purchase of Buildings and Property, 402 West Ninth Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Clifford Hough at a price of \$21,500.00:

Property known as 402 West Ninth Avenue being Lot #19,
Elizabeth King's Olentangy Subdivision, City of Columbus,
County of Franklin, State of Ohio.

This purchase will be consummated when funds are made available in Item 015 College of Medicine - Land, S. B. 370.

Upon motion of Mr. Davis, seconded by Mr. Loop, the above recommendation was approved by unanimous roll call vote.

C. Purchase of Buildings and Property, 378 West Ninth Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Kennard M. Forrest and Mary L. Forrest at a price of \$23,000.00:

Property known as 378 West Ninth Avenue, being Lot #23,
Elizabeth King's Olentangy Subdivision, City of Columbus,
County of Franklin, State of Ohio.

This purchase will be consummated when funds are made available in Item 015 College of Medicine - Land, S. B. 370.

Upon motion of Mr. Davis, seconded by Mr. Loop, the above recommendation was approved by unanimous roll call vote.

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XI. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the deaths of Russell Edmund Rebrassier, Professor Emeritus of Veterinary Parasitology; Louis Roth, Clinical Associate Professor, Department of Surgery; and Israel Park Blauser, Professor Emeritus in the Ohio Cooperative Extension Service. In accordance with the instructions of the Board of Trustees, copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board have been furnished the families of the deceased.

A. Russell Edmund Rebrassier

The Board of Trustees expresses its sorrow at the death on May 10, 1964, of Russell Edmund Rebrassier, Professor Emeritus of Veterinary Parasitology.

Dr. Rebrassier was born in Louisville, Stark County, Ohio, on July 27, 1890. He graduated with distinction from the College of Veterinary Medicine in 1914; joined the faculty of the College of Veterinary Medicine in 1916; and advanced through the ranks to become Professor and Chairman of the Department of Veterinary Parasitology. He was appointed Secretary of the College in 1948 and Assistant Dean in 1955, a position he held until his retirement in 1959.

Professor Rebrassier will long be remembered as an inspirational teacher who had a deep concern for the students' welfare. In addition his research in the field of veterinary parasitology was widely recognized through his publication of scientific articles in veterinary journals.

Dr. Rebrassier contributed greatly toward the stature of the veterinary profession through his activities in local, state, and national organizations. He served as Secretary of the Ohio Veterinary Medical Association for twenty-two years and as Executive Secretary on a full-time basis from the time of his retirement in 1959 until his death. He served two years in the House of Delegates of the American Veterinary Medical Association and was elected to serve as President in 1958. He was a member of the Education Council of the Association since 1951 and served as Chairman in 1957 and 1964.

Dr. Rebrassier also has been a member of the Columbus Board of Health, of which he served as President in 1954, 1955, 1956, and 1964; Phi Zeta National Honorary Fraternity; and Alpha Psi professional fraternity, serving as President and Secretary of the National Council.

For his dedication to the University and to the profession of veterinary medicine, and for his service to the community, Dr. Rebrassier has brought lasting recognition to The Ohio State University.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

XI. RESOLUTIONS IN MEMORIAM (continued)

B. Louis Roth

The Board of Trustees expresses its sorrow at the death on April 12, 1964, of Louis Roth, Clinical Associate Professor, Department of Surgery.

Dr. Louis Roth was born October 2, 1894, in New York City. He lived in Columbus since he was eight years old and was graduated from South High School. He received a Bachelor of Science degree from The Ohio State University in 1915 and a Doctor of Medicine degree from the College of Medicine in 1919. He interned at Mt. Sinai Hospital in New York City, followed by a residency in surgery and urology. He spent six months in basic urology in Vienna, following which he began a practice in Columbus.

Dr. Roth's connection with the medical faculty began when he was appointed an Assistant in Surgery (Urology) in 1928; Instructor in 1933; Clinical Assistant Professor in 1936; and Clinical Associate Professor in 1942.

Dr. Roth was a very cooperative and valuable associate in building the section of urology of the St. Francis Hospital, in which there was no diagnostic equipment and no space available. By persistence and graciousness he was able to establish a respectable diagnostic unit. This accomplishment was followed by his establishing a teaching ward service which was valuable to students, staff, patients, and the hospital. He headed this service for over 20 years. Poor health precluded his doing urological surgery, so he confined his practice to diagnostic office urology during his latter years.

In 1937 Dr. Roth was appointed to the Columbus Board of Health and was in charge of the diagnosis and treatment of venereal diseases. As a result of this appointment, he introduced the clinical aspects of venereal diseases to his students in the College of Medicine. He resigned this position in February of 1963.

Dr. Roth was a clinician and loved clinical teaching. At times he expressed a sincere regret that such teachers were relegated to such unimportant positions on medical faculties, but he continued to play an important, if unheralded, part in teaching in this school.

Dr. Roth was a delightful conversationalist, a superb story-teller, and a prolific reader. He confined his reading to old and modern philosophical treatises, until the last two years of his life when he turned to fiction for relaxation and entertainment. He was liked by everyone who knew him--his many friends and patients admired him and his fellow practitioners respected him.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

June 5, 1964 meeting, Board of Trustees

XI. RESOLUTIONS IN MEMORIAM (continued)

C. Israel Park Blauser

The Board of Trustees expresses its sorrow at the death on May 24, 1964, of Israel Park Blauser, Professor Emeritus in the Ohio Cooperative Extension Service.

Professor Blauser had pioneered in the application of electric power to agriculture. During the thirty-four years he served The Ohio State University, he provided much inspiration and leadership in the development and growth of rural electrification through research writing and extension teaching.

His interest in rural electrification extended beyond his duties at Ohio State. He was an active member of the American Society of Agricultural Engineers and had held important committee assignments. Noteworthy among his professional achievements were his contributions to the Ohio 4-H Club program and the Farm and Home Week activities.

Professor Blauser was on the faculty of the University of Illinois from 1923 to 1928. In 1928 he joined the staff at The Ohio State University from which he retired on July 1, 1962, as Extension Agricultural Engineer.

Professor Blauser held the academic degrees of Bachelor of Arts and Bachelor of Science in Agriculture from The Ohio State University. He was a member of Phi Beta Kappa, Gamma Sigma Delta, Alpha Zeta, Epsilon Sigma Phi, and the American Society of Agricultural Engineers.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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XII. REPORT

A. Report of the Finance and Investment Committee--
University's Investment Portfolio

The Secretary was instructed to file a copy of the Report on the University's Investment Portfolio dated May 31, 1964, with the official records of the Board of Trustees.

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Thereupon the Board adjourned to meet Friday, July 17, 1964, at The Ohio State University, Columbus, Ohio, at ten o'clock.

Attest:

John T. Mount
Secretary

Smith L. Rairdon
Chairman

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APPENDIX VII

Degrees Conferred at

THE OHIO STATE UNIVERSITY COMMENCEMENT

June 12, 1964

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RECIPIENTS OF HONORS

LEONARD BERNSTEIN

DOCTOR OF HUMANE LETTERS

Eminent conductor, teacher, composer, pianist, and humanitarian whose remarkable talents have provided a distinguished music educator to the Nation and the world

Leonard Bernstein, music director of the New York Philharmonic, has combined his multiple talents as conductor, teacher, composer, and pianist to help elevate the level of music-listener intelligence and appreciation to heights unparalleled. In 1954 on the experimental television series, *Omnibus*, Mr. Bernstein initiated his career as music educator to a continent. In the succeeding years, his *Young People's Concerts* and his *Thursday Evening Previews* have provided a medium through which he has applied his artistic abilities with consistent effectiveness in order to bring the joys of a sophisticated art into the lives of children and adults throughout the land.

In addition, Leonard Bernstein's efforts on behalf of serious musical performance have extended far beyond the borders of this Nation through international tours of the New York Philharmonic and through his lectures to the people of other countries. The world-renowned orchestra, which has flourished under his leadership, has performed in Europe, Russia, and Latin America representing in a distinguished manner the quality of its eminent conductor and America's cultural values and achievements.

Mr. Bernstein's widespread acclaim was nearly instantaneous following his performance as conductor of the New York Philharmonic in November of 1943, just four years after his graduation, *cum laude*, from Harvard University. Since that memorable event his broad interests and unusual versatility, conjoined with his passion for good music, have brought justifiable recognition for a variety of musical achievements. His works for the theater, such as "Wonderful Town" and "West Side Story," have helped to make Broadway more musical. His commendable promotion of contemporary music, especially his crusade for the performance of the best in American music, will have a long-lasting effect on the propagation of the art as a living, ever-emerging language. His personal sponsorship of young American musical talent has been an inspiration to thousands of aspiring musicians.

Leonard Bernstein is now in the summer of a brilliant and unprecedented career in American music. In the ensuing years, it is safe to assume that the remarkable creativity and the warm, personal charm of this outstanding music educator will continue to enrich the lives of millions as he interprets for them in his inimitable and dynamic manner the pleasures and values of serious music.

J. GEORGE HARRAR

DOCTOR OF SCIENCE

Humanitarian, statesman, able scientist and administrator, whose life has been dedicated to the service of his fellowman

J. George Harrar, president of the Rockefeller Foundation, has had a vision of a world in which man's basic needs have been met, a world in which each person may direct his best energies toward the fulfillment of his potential rather than the maintenance of mere existence. In response to that vision, he has allied himself with the highest creative forces in the world-wide struggle against hunger and disease. Today, he is recognized as an international leader in the great educational and humanitarian movement to help the disadvantaged people of the world learn how to improve their own social and economic conditions.

A graduate of Oberlin College, he completed an M.S. degree at Iowa State University and then spent the next 14 years as a university professor, first at the University of Puerto Rico, then the University of Minnesota (from which he received the Ph.D.), Virginia Polytechnic Institute, and Washington State College. His distinguished career as a teacher of biology and plant pathology, plus his background gained in Puerto Rico, made him a logical choice by the Rockefeller Foundation when it named him local director of its Mexican Agricultural Program in 1943.

Dr. Harrar quickly obtained the confidence, cooperation, and support of the government and citizens of Mexico. In partnership they developed what came to be recognized in Latin America and much of the world as a model program. Invited by other governments, Dr. Harrar has been instrumental in establishing similar projects of agricultural assistance and production throughout Latin America and also in India.

As a result of his success with the Mexican program, he became successively deputy director for agriculture of the Rockefeller Foundation, director, vice president, and in 1961 president and trustee.

Because of his broad knowledge of educational and research programs throughout the world, Dr. Harrar was called on by President Kennedy for service on many panels as well as for direct consultation. Dr. Harrar's deep understanding of the problems and people of Latin America is reflected in the valuable service he has given, and continues to give, to the United States Department of State. The international sphere of his influence and the significance of his accomplishments are suggested by the numerous honors he has received in this country and abroad, by his publications and speeches, and by his eminent position in the several key professional organizations to which he belongs.

J. George Harrar is a dedicated man of extraordinary ability, integrity, and industry. His professional career clearly reveals a continuous desire to use these personal qualities in the service of mankind, without regard to national boundaries or racial considerations.

G. PRESTON HOFF

DOCTOR OF SCIENCE

Distinguished research scientist, nationally recognized pioneer in the development of synthetic fibers, and dedicated alumni leader

G. Preston Hoff combines the best of industry and education. After nearly 35 years with the DuPont Company, he retired in 1959 as head of the Planning Division of the Textile Fibers Department. Without interruption, however, his active efforts in behalf of this University continue. Those efforts date back to his student days in the early 1920's. He received three degrees from The Ohio State University—the B.A. in 1921, the M.Sc. in 1922, and the Ph.D. in 1925.

Shortly after receiving his doctorate in chemistry, he was employed by the DuPont Company as a research chemist in the field of viscose rayon manufacture. Dr. Hoff pioneered the development of high tenacity rayon yarn for use in automobile tires and named the first successful product in that field "Cordura."

Advancing rapidly through the ranks of DuPont, Dr. Hoff was selected in 1938 to direct the technical development of nylon. As Director of Nylon research, he headed the team which brought nylon from the laboratory stage to commercialization, and for his key role he was granted several U.S. and foreign patents.

Subsequently, Dr. Hoff made important contributions in the planning and launching of "Orlon" acrylic fiber and "Dacron" polyester fiber. For more than 30 years, he played a responsible part and exerted a significant national influence in the development of synthetic fibers.

His pre-eminence in the synthetic fiber field resulted in his being appointed by the U.S. Government in the closing weeks of World War II to serve on an Allied technical team charged with the responsibility of following immediately behind the military forces and evaluating the merits of man-made fiber plants as they fell into Allied hands.

Dr. Hoff's abiding interest in the welfare of this University and the vast amount of time and energy he has expended in its behalf constitute a virtual second career. He has served with distinction as president of the Ohio State University Association and as a member of its Board of Directors. As a long-time member of the Graduate School Committee of the Alumni Advisory Board, he helped strengthen the program of graduate education. He worked with the University's Research Foundation as a member and director of the board, and he contributed significantly at the policy level during a period of transition and rapid growth.

G. Preston Hoff stands high in that distinguished company of alumni who have ever maintained the vision of higher education and who have worked diligently in behalf of their alma mater to make that vision a reality.

GLENN ALLEN SONNEDECKER

DOCTOR OF SCIENCE

Eminent scholar and teacher, prolific historian of pharmacy, articulate crusader for the advancement of the profession

Glenn Allen Sonnedecker has performed a unique service for the profession of pharmacy and for society in general. In his many-faceted role as teacher, scholar, pharmaceutical journalist and historian, he has interpreted the social significance of pharmacy and has brought into focus, perhaps better than anyone before or since, the position of the pharmacist as a professional.

In 1942, he received the B.S. in Pharmacy from this University. His interest in combining journalism and pharmacy, fostered while a student here, led to the editorship of the *Practical Pharmacy Edition* of the *Journal of American Pharmacy*. In that capacity, he exerted a significant and beneficial influence upon the profession.

In 1948, he interrupted a promising career to pursue graduate study at the University of Wisconsin under Dr. George Urdang, the renowned pharmaceutical historian. In 1952, Dr. Sonnedecker became the first person in this country to earn the Ph.D. on the basis of major work in the history of pharmacy and related social studies.

As secretary and, since 1957, director of the American Institute of Pharmacy, he has transformed what was largely a Wisconsin activity into a vital national organization with its own journal and a dynamic program. His original papers, speeches, and his advice and encouragement to others have awakened in pharmacists everywhere a new sense of pride in their professional heritage.

Now professor of the history of pharmacy at Wisconsin, he is the only full-time teacher in this field in the United States, conducts the Nation's only doctoral program in the history of pharmacy, and is pioneering a promising new area of graduate education called "social studies in pharmacy."

Dr. Sonnedecker's contributions as a teacher do not end in the classroom, however. With almost missionary zeal he has worked with teachers in other colleges to help them strengthen their backgrounds in the history of pharmacy.

Convinced of the vital importance of pharmacy internationally, Dr. Sonnedecker has assumed an increasingly prominent role in world organizations. He has been an American delegate to three world assemblies of the International Pharmaceutical Federation. Currently he is vice president of the World Union of Societies for the History of Pharmacy and the only American member of the International Academy of the History of Pharmacy. His encouragement and support have been largely responsible for the organized interest in his field in other countries of the Western Hemisphere.

As a scholar, teacher, and pharmacist, Glenn Sonnedecker has earned national and international respect. Today he is rightfully acclaimed as one of the world's leading authorities on the history of pharmacy.

WILLIAM W. HEIMBERGER
BENJAMIN G. LAMME MEDAL AWARD

*Metallurgical expert and innovator, leader in the foundry industry,
friend of engineering education*

William W. Heimberger, chairman of the board of Buckeye Steel Castings Company, has pioneered in the advancement of rail transportation through the design and manufacture of cast-steel railway parts used by railroads in every major country in the world.

Joining the firm in 1916 as an engineer trainee, he soon displayed the technical competence and leadership abilities which destined him for rapid advancement and a brilliant career. In 1924, his redesign of the open hearth furnace led to substantial improvements in production rate and economy. This redesign soon became standard practice throughout the industry. In 1931, his design of an automatic control for gas producer operation was a major development at that time.

Promoted in 1936 to superintendent of open hearth and laboratories, he managed all phases of production metallurgy. In 1948, his appointment as works manager brought with it responsibility for all production departments, plant maintenance, and personnel. Elected vice president of operations in 1960, he added plant engineering and purchasing to his areas of responsibility and personally directed major changes in molding, sand reclamation, preparation, and transportation. He was elected to his present position in 1963.

As he advanced through this series of key positions, his ingenuity, coupled with his basic understanding of his field, resulted in major production innovations that made a significant impact on the industry.

For many years Mr. Heimberger has been a leader in the foundry industry, particularly in the establishment and compilation of standards and through his participation on national advisory boards to technical and governmental agencies. He has also been active in technical societies, among them the Steel Founders' Society of America.

Mr. Heimberger was graduated from this University in 1916, and since that time he has been an enthusiastic contributor to its program of engineering education. He has represented the College of Engineering on the Alumni Advisory Board and has served as chairman of the Committee of 100 for the College of Engineering. At the national level, he has been a trustee of the Foundry Educational Foundation.

He has had an enriching influence on his community and the cultural life of Columbus and Franklin County through his active participation in civic, youth, church, and service organizations. His career represents the highest level of professional achievement, combining technical accomplishment, administrative leadership, unstinting community service, and respect for his fellowman.

GRADUATE SCHOOL

Dean: RICHARD ARMITAGE

Doctor of Philosophy

- Adolf William Almgren, A.B. (Bowling Green State University) ;
B.D., S.T.M. (Oberlin College) Akron
Dissertation: Concurrence with the Social Creed of the Methodist Church
Field of Specialization: Sociology
- Charles Timon Anderson, B.Sc. Columbus
Dissertation: On an Identity Common to Lie, Jordan, and Quasiassociative Algebras
Field of Specialization: Mathematics
- James Elson Appleby, B.Sc. in Edu., M.Sc. Canton
Dissertation: Life History and Control of Oligotrophus apicis Sp. N. (Diptera: Cecidomyiidae), a Midge Injurious to Junipers: With Key to Species of Aligotrophus Found in the United States
Field of Specialization: Entomology
- William Wayne Barnes, B.Sc. in Agr., M.Sc. Cleveland
Dissertation: The Absorption and Metabolism of C¹⁴-labeled Endosulfan in the Housefly
Field of Specialization: Entomology
- Margery Louise Bessom, B.S. (Simmons College) ; M.A. (Columbia University) Kalamazoo, Mich.
Dissertation: Effect of Selected Factors on Practices and Problems in Buying Family Clothing
Field of Specialization: Home Economics
- Sanford Gilbert Bloom, B.Ch.E., M.Sc. Columbus
Dissertation: A Mathematical and Experimental Analysis of Mass Transfer in a Capacitance Model of Porous Media
Field of Specialization: Chemical Engineering
- Leon William Boucher, B.Sc. in Agr., M.Sc. Green Springs
Dissertation: The Development of a Farm Business Planning and Analysis Instructional Program for Ohio Young Farmers
Field of Specialization: Agricultural Education
- Robert Lee Brabenec, B.S. (Wheaton College) McHenry, Ill.
Dissertation: A Set-valued Measure for a Certain Product Space
Field of Specialization: Mathematics
- Ronald William Brady, B.Sc. in Bus.Adm., M.A. Columbus
Dissertation: An Econometric Model of the Sales Tax Revenue System in Ohio
Field of Specialization: Economics
- James Henry Brann, B.S. (University of Maine) ; M.Sc. Lewiston, Me.
Dissertation: An Investigation of the Effects of Superimposed Transverse Motion on the Stick-Slip Phenomenon in Single-Degree-of-Freedom Vibrating Systems
Field of Specialization: Mechanical Engineering
- Delno Wayne Brown, B.D. (Butler University) ; M.A. (Northwestern University) Columbus
Dissertation: Character Education in Ohio Church-related Colleges
Field of Specialization: Education

- William Edwin Brown, B.S. in Ed., M.S. in Ed. (Southern Illinois University) Worthington
Dissertation: A Research Project Designed to Evaluate the Use of an Automated Teaching Device in the Instruction of Engineering Graphics
Field of Specialization: Education
- George Allen Brunner, B.B.A., M.B.A. (University of Toledo) Toledo
Dissertation: Personal Bankruptcies in Ohio
Field of Specialization: Business Organization
- John Henry Bucher, Met.E. (University of Cincinnati); M.Sc. Newport, Ky.
Dissertation: A Fractographic Analysis of Some Ultra-high-strength Steels by Electron Microscopy
Field of Specialization: Metallurgical Engineering
- Joseph Ray Clary, B.S., M.A.Ed. (North Carolina State College of Agriculture and Engineering) Shelby, N. C.
Dissertation: Guidelines for the Development of Training Programs for Agricultural Technicians
Field of Specialization: Agricultural Education
- Robert William Cleary, B.S. in Phar. (University of Wisconsin); M.Sc. Milwaukee, Wis.
Dissertation: Correlation of the Acid-catalyzed Hydrolysis Rates of Some Oxazolidines with Substituent Effects
Field of Specialization: Pharmacy
- Clarence Junior Cunningham, B.Sc. in Agr., M.Sc. Fredericksburg
Dissertation: Measures of Leader Behavior and Their Relation to Performance Levels of County Extension Agents
Field of Specialization: Agricultural Education
- Donald Walter Curl, B.Sc. in Edu., M.A. Kent
Dissertation: Murat Halstead, Editor and Politician
Field of Specialization: History
- John Neary Davis, B.S. (United States Military Academy) Huntington, N. Y.
Dissertation: The Integration of Executive Development and Long-Range Planning
Field of Specialization: Business Organization
- Lincoln Wesley Deihl, B.S. in Ed. (Bowling Green State University); M.S. in Ed. (Indiana University) Pavonia
Dissertation: Factors Contributing to the Selection of First-Level Office Supervisors with Implications for Business Education
Field of Specialization: Education
- Gene Allen Futrell, B.S., M.S. (Iowa State University) Carlisle, Ia.
Dissertation: Interregional Competition in Beef and Pork: A Multi-product Spatial Equilibrium Investigation
Field of Specialization: Agricultural Economics and Rural Sociology
- Antoni Edward Gadzala, B.Sc. in Phm., M.Sc. in Phm. (University of Toronto) Toronto, Ont., Canada
Dissertation: Protein Binding of Xanthines and Related Compounds
Field of Specialization: Pharmacy
- Henry Edgar Gerry, B.S. (Montana State College) Bozeman, Mont.
Dissertation: 7-Iodoheptahelicene
Field of Specialization: Chemistry
- John Phillips Gibson, B.Sc. in Agr., D.V.M., M.S. (Kansas State University) Wichita, Kans.
Dissertation: Experimental Distemper in the Gnotobiotic Dog
Field of Specialization: Veterinary Pathology

- Walter Charles Giffin, B.I.E., M.Sc.....Bucyrus
Dissertation: Studies in the Design of Mass Transit Systems
Field of Specialization: Industrial Engineering
- Agnes Marshall Gordon, B.A., M.A.....Columbus
Dissertation: An Evaluation of the Past and Potential Role of Accounting in National Economic Analysis
Field of Specialization: Accounting
- Mohamed Wafik Abdel-Latif Goudah, B.Pharm. (Alexandria University);
M.Sc.....Alexandria, Egypt.
Dissertation: Complex Interaction of Starches with Certain Drug Pharmaceuticals
Field of Specialization: Pharmacy
- Fredrick Chauncey Hagerman, B.S. (Wisconsin State College,
LaCrosse); M.A.....Holmen, Wis.
Dissertation: The Effects of Breathing 100 Per Cent Oxygen during Rest, Heavy Work, and Recovery
Field of Specialization: Physical Education
- Donald George Hartman, B.Sc. in Edu., M.A.....Elberon, N. J.
Dissertation: An Investigation of the Possibility of Correlation between Human Handedness and Differences in Length of Arm and Leg Long Bones, with a Genetic Interpretation
Field of Specialization: Botany and Plant Pathology
- Robert Joseph Heaston, B.S.Ch.E., M.S. (University of Arkansas)
Cotter, Ark.
Dissertation: Investigation of Methane and Methane-Steam Reactions in an Argon Arc Plasma
Field of Specialization: Chemical Engineering
- Larry Leroy Hench, B.Cer.E.....Crestline
Dissertation: Sintering and Reactions of MgO and Cr_2O_3
Field of Specialization: Ceramic Engineering
- Donald Lewis Henry, B.S. (E.E.) (University of Illinois); M.Sc...Kettering
Dissertation: A Model for Decision-making Situations with Multiple Pay-off Utilities
Field of Specialization: Industrial Engineering
- Michael Saul Herschler, B.S. (Cornell University); M.Sc.....Columbus
Dissertation: The Chromosomes of Cattle: Their Association with Phylogenetic and Ontogenic Processes with an Intensive Study of the Freemartin Syndrome
Field of Specialization: Dairy Science
- Glenn Curtis Himes, B.S.Agr., M.S. (Purdue University)
Crawfordsville, Ind.
Dissertation: International Competition in the Feed Grain Economy
Field of Specialization: Agricultural Economics and Rural Sociology
- Genevieve Simonet Incefy, B.Sc., M.Sc.....Columbus
Dissertation: The Isolation and Characterization of an Adenosine Triphosphatase from the Rod Outer Segments of Bovine Retina
Field of Specialization: Physiological Chemistry
- Ralph Walter Ingersoll, B.Sc. (Bob Jones University); M.A.
(University of Colorado).....Columbus
Dissertation: The Predictive Abilities of the GATB in Grades Nine and Ten in Vocational and Academic Courses of Study in Selected Ohio High Schools
Field of Specialization: Education

- Charles Harold Ingraham, B.Sc. in Agr., M.Sc. Marietta
Dissertation: A Review of the Organizational Structure of the Ohio Farm Bureau Cooperatives and Characteristics Associated with Successful County Farm Bureau Managers
Field of Specialization: Agricultural Economics and Rural Sociology
- Maxwell Victor Jonah, B.S. in C.E. (Northeastern University); M.Sc. Newtonville, Mass.
Dissertation: An Analytically Modified Analogue Solution for Aerial Triangulation and Block Adjustment
Field of Specialization: Geodetic Science
- Allan Evans Jones, B.Ch.E., M.Sc. Wilmington, Del.
Dissertation: Mixtures of Hard Spheres and a Real Gas: The System Helium-n-Butane
Field of Specialization: Chemical Engineering
- Klaus Kalb, M.Sc. (Kansas State University) Stuttgart, Germany
Dissertation: Product Differentiation in the Mixed Feeds Industry
Field of Specialization: Agricultural Economics and Rural Sociology
- Robert Andrew Kantra, B.S. (Muhlenburg College); M.A. (Fordham University) Bryn Mawr, Pa.
Dissertation: Satire on the Socialization of Religion
Field of Specialization: English
- Charles William Keith, B.Sc. in Edu.; M.A. (Michigan State University) Kent
Dissertation: The Industrial Technology Program at Kent State University, an Appraisal and Recommendations
Field of Specialization: Education
- George Thomas Kennedy, Jr., B.S. in M.E. (Newark College of Engineering); M.B.A. Westerville
Dissertation: History and Development of a Philosophy of Evaluating Purchasing Performance with an Analysis of the Relationship between Purchasing Department Operating Cost and End Product Material Cost
Field of Specialization: Business Organization
- Barry Goodwin King, B.B.A., M.A. (Hardin-Simmons University) Texarkana, Tex.
Dissertation: A Statistical Basis for Audit Reliance on Internal Control
Field of Specialization: Accounting
- James Walter Lacksonen, B.Ch.E., M.Sc. Ashtabula
Dissertation: Transient Transport of Adsorbable Gases in a Microporous Solid
Field of Specialization: Chemical Engineering
- Margarita Maria Adelaida Rosa Levisi. Buenos Aires, Argentina
Dissertation: Los Sueños de Quevedo: El Estilo, el Humor, el Arte
Field of Specialization: Romance Languages (Spanish)
- Kung-Pu Li, B.Sc. (National Taiwan University); M.Sc. Taipei, Taiwan, China
Dissertation: Machine Recognition of Mandarin Monosyllable
Field of Specialization: Electrical Engineering
- William Ellis Long, B.S. (University of Nevada); M.Sc. Columbus
Dissertation: The Stratigraphy of the Ohio Range, Antarctica
Field of Specialization: Geology
- George Robert McCormick, B.A. (Ohio Wesleyan University); M.Sc. Columbus
Dissertation: An Investigation of the Compatibility Relations in the System $MgO-GeO_2-MgF_2-LiF$ Principally at $1000^\circ C$.
Field of Specialization: Mineralogy

- Coy Gaylord McNabb, B.S.A. (University of Arkansas) ; M.S. (University of Missouri) Columbia, Mo.
Dissertation: The Administrative Role of the County Extension Director in Missouri
Field of Specialization: Agricultural Education
- William Edward Meredith, B.S. (Ohio University) ; M.Sc. Dennison
Dissertation: The in Ovo and in Vitro Effects of Potentiated and Unpotentiated Chlortetracycline in Controlling Mycoplasma gallisepticum
Field of Specialization: Microbiology
- Eddy Miedema, B.S. (Southern State Teachers College, South Dakota) ; M.S. (South Dakota State College of Agriculture and Mechanic Arts) Broadland, S. Dak.
Dissertation: The Metabolism of Ethanolamine in Plants
Field of Specialization: Physiological Chemistry
- Edward Joseph Mock, B.S. (King's College, Pennsylvania) ; M.Bus.Adm. (Marquette University) State College, Pa.
Dissertation: An Evaluation of Borrower Risk in Industrial Companies Employing Convertible Subordinated Debentures
Field of Specialization: Business Organization
- Essam Hassan Moneeb, B.Sc. (University of Cairo) ; M.Sc. Cairo, Egypt
Dissertation: Economic and Statistical Analysis of the Impact of Two Federal Agricultural Policy Programs on Agricultural Resource Reallocation in Ohio
Field of Specialization: Agricultural Economics and Rural Sociology
- Homer J. Mottice, B.Sc. in Bus.Adm.; M. of B.A. (Kent State University) East Sparta
Dissertation: A Method of Analyzing Proposed Expenditures for Hospital Medical Equipment
Field of Specialization: Accounting
- Wolfgang Heinz Mueller Buffalo, N. Y.
Dissertation: Part I. The Endecaphyllins: Naturally Occurring Aliphatic Nitro-Compounds
Part II. Mammeigin: A New Naturally Occurring 4-Phenylcoumarin
Field of Specialization: Chemistry
- James Russell Myers, Met.Engr. (University of Cincinnati) ; M.S. (University of Wisconsin) Middletown
Dissertation: Anodic Polarization Behaviour of Nickel-Chromium Alloys in Sulfuric Acid Solutions
Field of Specialization: Metallurgical Engineering
- Robert Michael Nerem, B.S. in Aero.Eng. (University of Oklahoma) ; M.Sc. Columbus
Dissertation: Shock Layer Radiative Emission during Hypervelocity Re-entry
Field of Specialization: Aeronautical and Astronautical Engineering
- Benjamin Chukuka Edeoghene Nwosu, B.Sc. (University College, Nigeria) ; M.S. (Miami University) Ozubulu, Nigeria
Dissertation: Characteristic Radiations of Tc^{93} , Tc^{94} , and Nb^{90}
Field of Specialization: Physics
- Jerry Carl Olson, B.S. in Ed. (Pennsylvania State Teachers College, California) ; M.Ed. (University of Pittsburgh) Brookville, Pa.
Dissertation: The Guidance Function of Industrial Arts in Teacher Education
Field of Specialization: Education

- Vicente U. Quintana, B.S. in Ag., M.S. (University of the Philippines)
Laguna, Philippines
*Dissertation: An Economic Analysis of Straight Agricultural Loans
Granted by the Branches of the Development Bank of the
Philippines in Nueva Ecija and Isabela, 1962*
Field of Specialization: Agricultural Economics and Rural Sociology
- Richard Henry Rapp, B.S. (Rensselaer Polytechnic Institute); M.Sc.
Danbury, Conn.
*Dissertation: The Prediction of Point and Mean Gravity Anomalies
through the Use of a Digital Computer*
Field of Specialization: Geodetic Science
- Richard Davis Rieke, B.S. in Ed. (Southern Illinois University); M.A.
Columbus
Dissertation: Rhetorical Theory in American Legal Practice
Field of Specialization: Speech
- John Raymond Rizzo, B.A. (University of Colorado); M.A.
Valley Stream, N. Y.
*Dissertation: Value Dimensions, Value Commitments, and In-Basket
Performance of Business Students*
Field of Specialization: Psychology
- Richard Homer Schlessinger, B.S. in Ed. (Pennsylvania State Teachers
College, Edinboro).....Edinboro, Pa.
*Dissertation: The Chemistry of Pleiadene, Acepleiadene, and Acepleia-
dylene*
Field of Specialization: Chemistry
- Lorenz Philip Schrenk, A.B. (George Washington University); M.A.
Washington, D. C.
*Dissertation: The Concept of Central Transformations in the Human
Processing of Discrete Signals*
Field of Specialization: Psychology
- Elmer Joseph Scrafford, B.Sc. in Edu.; M.A. (New York University)
Bluefield, W. Va.
*Dissertation: The Utilization of Collegiate Enrollment Projections in
West Virginia as Applied to Bluefield State College*
Field of Specialization: Education
- Robert Martin Shemenski, Met.E. (University of Cincinnati)
Martins Ferry
*Dissertation: The Defect Structures and Dissolution Characteristics of
Iron Filamentary Single Crystals*
Field of Specialization: Metallurgical Engineering
- John Dahir Shibley, B.S. in Edu., M.A. (Bowling Green State University)
Toledo
*Dissertation: An Investigation of Some Aspects of Audience Perception
during the Communication Act*
Field of Specialization: Speech
- Robert Norman Singer, B.S. (Brooklyn College); M.S. (Pennsylvania
State University).....Brooklyn, N. Y.
*Dissertation: Massed and Distributed Practice Effects on the Acquisi-
tion and Retention of a Novel Basketball Skill*
Field of Specialization: Physical Education
- Lorin Coover Staats, Jr., A.B. (Ohio University); M.A. (State University
of Iowa).....Athens
*Dissertation: The Usage of Stressed Front Vowels among College
Freshmen in Ohio*
Field of Specialization: Speech

- Thomas John Sweeney, Jr., B.A. in Educ. (University of Akron) ; M.S.
(University of Wisconsin) Akron
Dissertation: The School Counselor: Activities and Attributes
Field of Specialization: Education
- Arthur Canning Taylor, Jr., B.S. (Virginia Military Institute) ; M.Sc.
Lexington, Va.
Dissertation: Torsional Restraint of Lateral Buckling
Field of Specialization: Civil Engineering
- Columbus Edwin Tootle, M.B.A. (University of Chicago) Columbus
*Dissertation: Profitability of Multiple-Line Operation by Stock Fire
and Casualty Insurance Companies*
Field of Specialization: Business Organization
- Donald Arthur Topmiller, A.B. (Miami University) ; M.A. (Lehigh
University) Fairborn
*Dissertation: A Factor Analytic Approach to Human Engineering
Analysis and Prediction of System Maintainability*
Field of Specialization: Psychology
- James Phillip Van Meter, B.Sc. Tiffin
*Dissertation: Part I. The Synthesis of 1, 2-Diphenylnaphtho [b] cyclo-
butadiene*
*Part II. The Synthesis and Reaction of Stabilized 2, 3-
Naphthoquinonoid Systems*
Field of Specialization: Chemistry
- Jack Urban Williamson, B.Sc. in Edu.; A.M. (Miami University) .. Fremont
*Dissertation: Factors Affecting the Role Concept of Ohio Secondary
School Principals*
Field of Specialization: Education
- Douglas Arthur Wolfe, B.Sc., M.Sc. Chillicothe
*Dissertation: The Composition of Crayfish Carotenoids and the Fatty
Acid Composition of Crayfish Lipids Including Carotenoid
Esters*
Field of Specialization: Physiological Chemistry
- Melvin Lewis Woodward, A.B. (Bucknell University) ; M.B.A. Kent
*Dissertation: The Nature and Functioning of a Formal Philosophy of
Management in American Industry*
Field of Specialization: Business Organization
- Harry Orbell Yates III, B.S. (University of Maine) ; M.F. (Duke
University) Athens, Ga.
*Dissertation: The Influence of Oleoresin on Southern Pine Injury by
Rhyacionia (Lepidoptera: Olethreutidae)*
Field of Specialization: Entomology
- David Lee Young, B.A., M.A. (Kent State University) Canton
Dissertation: The Art of Conrad Richter
Field of Specialization: English
- William Henry Zuccherro, B.A. (Kent State University) ; A.M.
(University of Michigan) Kent
*Dissertation: The Contributions of James F. Neill to the Development
of the Modern American Theatrical Stock Company*
Field of Specialization: Speech

(Eighty-two candidates)

Master of Arts

- Agnes Campbell Anderson, B.S. (Pennsylvania State Teachers College,
West Chester)Avoca, Pa.
Field of Specialization: Education
- *Lyle Ellis Angene.....Bucyrus
Field of Specialization: Philosophy
- John Carroll Mathias Arimond, B.S. in Jour. (Marquette University)
Columbus
Field of Specialization: Journalism
- Carl William Asp, Jr., B.Sc. in Edu.....Avon
Field of Specialization: Speech
- Jean Buckley Aurand, A.B. (University of Michigan)Reynoldsburg
Field of Specialization: Psychology
- Joan Pennock Barnard, A.B. (Oberlin College)Columbus
Field of Specialization: Psychology
- Ward LeRoy Barritt, B.Sc. in Edu.....Worthington
Field of Specialization: Education
- Dorothy Jones Beatley, B.Sc. in Edu.....Columbus
Field of Specialization: Education
- George Frederick Bott, A.B. (Capital University)Columbus
Field of Specialization: Education
- Marcia Lea Brazina, A.B. (Connecticut College)Easton, Pa.
Field of Specialization: English
- Francis Robert Calderwood, B.Sc. in Agr.....Cleveland
Field of Specialization: Agricultural Education
- Maureen Jane Carmody, A.B. (Wayne State University)Painesville
Field of Specialization: German
- Charles William Chance, B.A.....Columbus
Field of Specialization: Political Science
- Woo Yong Chun, B.A.....Columbus
Field of Specialization: English
- Christopher Charles Clark, A.B. (Denison University)Lakewood
Field of Specialization: Education
- David Louis Clark, B.A. (Kent State University)Cleveland
Field of Specialization: History
- Carol Galek Colvert, B.S.Ed. (Ohio University)North Royalton
Field of Specialization: Education
- Jeffrey Holland Cook, B.M.E. (Northwestern University) ..Park Ridge, Ill.
Field of Specialization: Music
- Daniel Edwin Costello, B.Sc. in Bus.Adm.....Dayton
Field of Specialization: Journalism
- Hal La Rue Curtis, A.B. (Denison University)Zanesville
Field of Specialization: German
- Robert Wayne Dameron, Jr., B.Sc. in Bus.Adm.....Columbus
Field of Specialization: Economics

* Two degrees

- George Arliss Davis, B.A. (Kentucky State College) Columbus
Field of Specialization: Education
- Eleanor Stedman Dawson, A.B. (Ohio University) Columbus
Field of Specialization: Education
- Charles Alton Day, B.Sc. in Edu. Columbus
Field of Specialization: Education
- Ronald Lee Ditzler, B.S. (Gettysburg College) Gettysburg, Pa.
Field of Specialization: Music
- Carolyn Marie Duell, B.S. in H.Ec. (University of Dayton) Dayton
Field of Specialization: Speech
- Jack Eugene Earl, A.B. (Bluffton College) New Bremen
Field of Specialization: Art
- Evan David Ehmann, B.A. (Ohio Wesleyan University) Chatham, N. J.
Field of Specialization: Psychology
- Barbara Walvoord Fassler, A.B. (Hope College, Michigan) Glen Rock, N. J.
Field of Specialization: English
- John Henry Fields, A.B. (Denison University) Newark
Field of Specialization: Speech
- Norma Jean Fields, B.A. (Morris Harvey College) Bidwell
Field of Specialization: English
- Juanita Juarez Garcia, B.A. (Agnes Scott College, Georgia) ... Tampa, Fla.
Field of Specialization: Psychology
- Melvin Lee Gary, B.A. (Haverford College) Warren, Pa.
Field of Specialization: Psychology
- Robert John Gaston, B.Sc. in Bus.Adm. Columbus
Field of Specialization: Economics
- Sue Ann Giffen, B.S. in Ed. (New York State University College of
Education, Cortland) Mobile, Ala.
Field of Specialization: Education
- Elaine Marcia Goldberg, B.A. (Northwestern University)
Highland Park, Ill.
Field of Specialization: Psychology
- James Warren Green, B.A. (University of Puget Sound)
Mercer Island, Wash.
Field of Specialization: Sociology (Anthropology)
- Jean Milner Griffith, B.Sc. in Edu. Columbus
Field of Specialization: Education
- Christel Alma Gunkel, B.S. (New York State University College of
Education, Potsdam) Northport, N. Y.
Field of Specialization: Psychology
- Sue Ann Hartley, A.B. (Antioch College) New York, N. Y.
Field of Specialization: English
- Mariwyn Distelhorst Haueisen, B.S. in Edu. (Capital University)
Columbus
Field of Specialization: Education
- Thelma Mitchell Heet, B.S. in Ed. (Wilmington College) Columbus
Field of Specialization: Education

- Robert Elden Hicks, B.Sc. in Bus.Adm.....Canal Winchester
Field of Specialization: Economics
- Elaine Schwab Hobart, A.B. (University of Michigan).....Columbus
Field of Specialization: Sociology
- Arland Boyd Imlay, B.S.Ed. (Ohio University).....Lancaster
Field of Specialization: Education
- Jamie George Jameson, B.A.....Columbus
Field of Specialization: Speech
- Stanley Lewis Johnson, B.Sc. in Edu.....Chillicothe
Field of Specialization: Education
- Robert Gray Jones, B.A.....Columbus
Field of Specialization: Speech
- John Robert Kayser, B.A. (University of New Hampshire)
 New York, N. Y.
Field of Specialization: Political Science
- Jack Ellis Kile, B.S. in Edu. (Ashland College).....Columbus
Field of Specialization: Speech
- Judy Marlene Kyle, B.Sc. in Edu.....Fairborn
Field of Specialization: Speech
- Walter John Lesiak, Jr., B.S. (Central Connecticut State College)
 Meriden, Conn.
Field of Specialization: Psychology
- Jack Walter Lewis, B.A. (Kent State University).....Columbus
Field of Specialization: Political Science
- Beatrice Bender Lovenstein, B.Sc. in Soc.Adm.....Columbus
Field of Specialization: Education
- Stephen Rodney Lucas, B.Sc. in Bus.Adm., B.Sc. in Edu.....Zanesville
Field of Specialization: Education
- Donald Edward Maiara, B.A. (City College, New York) ..Ozone Park, N. Y.
Field of Specialization: English
- William Adrian March, B.Sc. in Edu.....Ashtabula
Field of Specialization: Education
- Robert Allan Martin, B.Sc. in Edu., B.Mus.....Willoughby
Field of Specialization: Psychology
- Patricia Ann McGivern, B.A. (University of Southern California)
 West Covina, Calif.
Field of Specialization: Psychology
- Sigrid Barbara Margot Meyering, B.A. (William Smith College)
 College Point, N. Y.
Field of Specialization: Psychology
- Faith Anne Nason, A.B. (Ohio University).....Rocky River
Field of Specialization: English
- Daniel Melvin Nelson, B.A. (Ohio Wesleyan University)
 Grosse Pointe, Mich.
Field of Specialization: History
- Joan Irene Newcomb, B.S. in Ed. (New York State University
 College of Education, Cortland).....Baldwinsville, N. Y.
Field of Specialization: Education

- Jon Allyn Nicodemus, A.B. (Ashland College).....Ashland
Field of Specialization: English
- Nancy Myers Norris, B.A. (Otterbein College).....Westerville
Field of Specialization: Speech
- Paul George Ostendorf, B.S. (Loyola University).....Chicago, Ill.
Field of Specialization: History
- William Herman Parks, B.A.....Worthington
Field of Specialization: Speech
- Suzanne Fenske Parrett, B.A.....Cincinnati
Field of Specialization: Psychology
- Jean Louise Parsons, B.A. (Washington State University) ..Olympia, Wash
Field of Specialization: Psychology
- Mary Jane Eaker Peterson, A.B. (Wellesley College).....Columbus
Field of Specialization: English
- Esther Joan Pressel, B.S. (Pennsylvania State University) ...Loysburg, Pa.
Field of Specialization: Sociology (Anthropology)
- Mary Kathryn Prince, B.Sc. in Edu.....Urbana
Field of Specialization: Education
- Albert Paul Raimonde, B.Sc. in Edu.....Willard
Field of Specialization: Education
- Jack Delano Rausch, B.Sc. in Edu.....Dover
Field of Specialization: Music
- Alice Elaine Doll Risch, A.B. (Capital University).....Columbus
Field of Specialization: Education
- Martha James Root, A.B. (Miami University).....Oxford
Field of Specialization: Romance Languages (French)
- Martha Carolyn Roth, B.A.....Hamilton
Field of Specialization: Journalism
- Joan Faye Sauder, B.S. in Edu. (Goshen College).....Archbold
Field of Specialization: Education
- Thomas Scott Scovel, B.A. (College of Wooster)Stony Point, N. Y.
Field of Specialization: Linguistics
- Beverly Rynne Sepkowitz, A.B. (University of California, Berkeley)
Los Angeles, Calif.
Field of Specialization: Physical Education
- Donald Woodfred Skelton, B.A. (Otterbein College).....Columbus
Field of Specialization: Education
- Donna Mae Broeske Snyder, B.Sc. in Edu.....Bellville
Field of Specialization: Speech
- William Otto Sperling, B.A. (Saint Paul Bible College).....Toledo
Field of Specialization: Education
- Helen Davis Stephenson, B.S. in Edu. (Miami University)Columbus
Field of Specialization: Education
- Rozella Laster Stigler, A.B. (Oklahoma Baptist University) ..Reynoldsburg
Field of Specialization: Education
- Rudolph Howard Storch, A.B. (Capital University).....New York, N. Y.
Field of Specialization: History

- Ronald Joseph Stupak, B.A. (Moravian College) Bethlehem, Pa.
Field of Specialization: Political Science
- Carol Palmer Trautwein, B.S. in Ed. (Wittenberg University) Akron
Field of Specialization: Education
- Emily Chase Weaver, A.B. (Goucher College) Clearfield, Pa.
Field of Specialization: History
- Kenneth Lewis Weber, B.A. (University of Louisville) Louisville, Ky.
Field of Specialization: English
- John Crawford Wells, B.A. Columbus
Field of Specialization: Journalism
- Helen Virginia Wilson, B.M., B.S.M. (Capital University) Columbus
Field of Specialization: Music
- Dorothy Kaup Wittenberg, B.A. (University of Minnesota) Delaware
Field of Specialization: Romance Languages (French)
- John William Worst, A.B. (Calvin College) Grand Rapids, Mich.
Field of Specialization: Music
- Renee Sandra Zelizer, B.Sc. in Edu. Columbus
Field of Specialization: Education
- Bette Brown Zilles, A.B. (Capital University) Bellefontaine
Field of Specialization: Speech
- Glenn Everett Zimmerly, B.Sc. in Agr. Orrville
Field of Specialization: Agricultural Education
- (Ninety-seven candidates)

Master of Business Administration

- Josefina Macatangay Calanog, B.Sc. (University of the Philippines)
 Manila, Philippines
Field of Specialization: Business Organization
- Raymond James DeSantis, B.Sc. in Bus.Adm. Warren
Field of Specialization: Business Organization
- Carl Norman Dieringer, B.A. Napoleon
Field of Specialization: Business Organization
- Leonard Garland Gaston, B.S. (Texas Technological College) Dayton
Field of Specialization: Business Organization
- Lawrence Donald Katz, B.Sc. in Bus.Adm. University Heights
Field of Specialization: Business Organization
- Almer Winfield Reese, Jr., A.B. (Syracuse University) Dayton
Field of Specialization: Business Organization
- (Six candidates)

Master of City Planning

- John Jacob Pobst, B.S. (Antioch College) Yellow Springs
Field of Specialization: Architecture (City Planning)
- Clark Pierson Turner, A.B. (Antioch College) Yellow Springs
Field of Specialization: Architecture (City Planning)
- (Two candidates)

Master of Education

- Jerome Warmus, B.S. (McMurry College) Chicago, Ill.
Field of Specialization: Education
- Arthur Spencer Wright, B.Sc. in Edu. Westerville
Field of Specialization: Education
 (Two candidates)

Master of Medical Science

- Robert David Baer, B.A., M.D. Worthington
Field of Specialization: Medicine
- Allen Douglas Harlor, Jr., B.Sc., M.D. Columbus
Field of Specialization: Pediatrics
- William Alan Hodson, M.D. (University of Manitoba) Columbus
Field of Specialization: Pediatrics
- Donald Gordon Jones, B.S. (East Tennessee State College) ; M.D.
 (University of Tennessee) Columbus
Field of Specialization: Obstetrics and Gynecology
- Ralph Edward Kah, A.B. (Miami University) ; M.D. Middletown
Field of Specialization: Obstetrics and Gynecology
- Walter Michael Podedworny, M.D.C.M. (Queens University)
 Copper Cliff, Ont., Canada
Field of Specialization: Ophthalmology
- Alexander Dimitrius Raptou, A.B. (Hiram College) ; M.D. Youngstown
Field of Specialization: Medicine
- George Walter Waylonis, A.B., M.D. (Western Reserve University)
 South Euclid
Field of Specialization: Medicine
- Daniel Joseph Wilhelm, M.D. Columbus
Field of Specialization: Pediatrics
 (Nine candidates)

Master of Science

- John Uldis Abele, As.E. (University of Cincinnati) Canton
Field of Specialization: Aeronautical and Astronautical Engineering
- James Theodore Addis, B.Sc. in Agr. Galion
Field of Specialization: Zoology and Entomology
- Laurence Engel Anderson, B.S. (Mount Union College) Greentown
Field of Specialization: Chemistry
- Thomas Rollins Arntz, B.Sc. in Agr. Shelby
Field of Specialization: Agronomy
- Gary Lynn Barker, B.S. in Agr. Eng. (Texas Technological College)
 Lockney, Tex.
Field of Specialization: Agricultural Engineering
- Rudy Cassell Beavin, B.E.E. (University of Louisville) Dayton
Field of Specialization: Physics
- Werner LeRoy Becher, B.Sc. in Agr. Van Wert
Field of Specialization: Agricultural Education
- David Lee Beckman, B.Sc. Kettering
Field of Specialization: Physiology

- Lakew Birke, B.S. (Imperial Ethiopian College of Agricultural and Mechanical Arts).....Dire Dawa, Ethiopia
Field of Specialization: Agricultural Economics and Rural Sociology
- Robert Lawrence Borlick, B.S. in E.E. (Illinois Institute of Technology) Chicago, Ill.
Field of Specialization: Electrical Engineering
- Joann Van Dellen Bossenbroek, A.B. (Calvin College) Grand Rapids, Mich.
Field of Specialization: Mathematics
- Howard Walter Boyd, B.A. (College of Wooster).....Parma
Field of Specialization: Botany and Plant Pathology
- Gary Franklin Braley, B.S. (Iowa State University)Oskaloosa, Ia.
Field of Specialization: Mathematics
- William Donald Brundage, B.S.E.E. (University of Toledo)Toledo
Field of Specialization: Electrical Engineering
- Dimite Joanne Buckley, B.Sc., M.Sc.....Findlay
Field of Specialization: Chemistry
- Charles Todd Bunnell, B.E.E.....Bradford
Field of Specialization: Electrical Engineering
- Denver Peeper Burns, B.Sc. in Agr.....Lima
Field of Specialization: Zoology and Entomology
- Ralph Patsy Carifa, B.Sc. in Opt.....Columbus
Field of Specialization: Optometry (Physiological Optics)
- William Raymond Carpentier, M.D. (University of British Columbia) Lake Cowichan, B.C., Canada
Field of Specialization: Preventive Medicine
- Vernon Leroy Connor, B.S. (University of Wyoming)Cheyenne, Wyo.
Field of Specialization: Geodetic Science
- Fernando Coronel-Torres, Ing.Agr. (Universidad de Coahuila) Culiacan, Sinaloa, Mexico
Field of Specialization: Agronomy
- Richard Howard Courtney, B.Sc. in Agr.....Prospect
Field of Specialization: Agricultural Economics and Rural Sociology
- Patricia Louise Crater, B.S. (University of Illinois)Havana, Ill.
Field of Specialization: Dairy Technology
- Ralph Sanford Cunningham, B.S. in Chem.Engr. (Alabama Polytechnic Institute)Birmingham, Ala.
Field of Specialization: Chemical Engineering
- Rex Edwin Cunningham, B.Sc. in Agr.....Arcadia
Field of Specialization: Agricultural Education
- Robert Franklin Cuschleg, Jr., B.S. in Elec. Engr. (University of Akron) Wadsworth
Field of Specialization: Electrical Engineering
- Ralph Richard Deakins, B.S.A.E. (West Virginia University) ... Columbus
Field of Specialization: Aeronautical and Astronautical Engineering
- Bette Conner DeDavies, B.S. in H.Ec. (West Virginia State College) Columbus
Field of Specialization: Home Economics
- Nualchantra Homgrailars Deema, B.S. in Ag. (Kasetsart University) Bangkok, Thailand
Field of Specialization: Botany and Plant Pathology

- Donn Allan Derr, B.Sc. in Agr.....Kenton
Field of Specialization: Agricultural Economics and Rural Sociology
- Marian Parks Dolliver, B.S. in Nurs. (Western Reserve University) Lakewood
Field of Specialization: Nursing
- Dorothy Ann Duerr, B.Sc.....Tulsa, Okla.
Field of Specialization: Physiological Chemistry
- Thelma Long Duffee, B.Sc. in Nurs.....Columbus
Field of Specialization: Nursing
- Carlos Alberto Pablo Durini, Ing. (Universidad de Buenos Aires) Buenos Aires, Argentina
Field of Specialization: Mechanical Engineering
- Bradford Straughn Fansler, B.S. (Drexel Institute of Technology) Highland Park, Mich.
Field of Specialization: Microbiology
- Tulio Romulo Figarola, M.D. (University of Havana) ..Tullahoma, Tenn.
Field of Specialization: Preventive Medicine
- David Ross Filson, B.S.Ed. (Ohio University)Lima
Field of Specialization: Microbiology
- William Fisanick, B.S. (Saint Francis College)Carrolltown, Pa.
Field of Specialization: Chemistry
- Arthur Carl Fograscher, B.Sc., M.Sc., B.Sc. in Edu.....Cleveland
Field of Specialization: Mathematics
- James Hogg Frazier, Jr., B.W.E.....Detroit, Mich.
Field of Specialization: Electrical Engineering
- *Wilmer Charles Gangloff, Jr.....Cincinnati
Field of Specialization: Physics
- Donald Edmund Grant, B.S. in Pharm. (Massachusetts College of Pharmacy)East Walpole, Mass.
Field of Specialization: Pharmacy
- James Simpson Green, Jr., B.S.C.E. (University of Hawaii) ..Worthington
Field of Specialization: Geodetic Science
- Thomas Leonard Grimes, B.S. in Pharm. (University of Kentucky) Huntington, W. Va.
Field of Specialization: Pharmacy
- Johannes Ludwig Emil Grueber, Dr. Med. (Philipps University of Marburg)Ludhiana, India
Field of Specialization: Pathology
- Eran Hareven, M.Sc. (Agr.) (Hebrew University, Israel) ...Haifa, Israel
Field of Specialization: Agricultural Economics and Rural Sociology
- Henry James Hatch, B.S. (United States Military Academy) Sarasota, Fla.
Field of Specialization: Geodetic Science
- Robert Noel Hayes, B.E. in C.E. (National University of Ireland, University College, Dublin)Dublin, Ireland
Field of Specialization: Civil Engineering
- Richard Eugene Heimlich, B.Sc. in Agr.....Attica
Field of Specialization: Agricultural Education

* Two degrees

- Keith Duane Heiniger, B.S. (Kansas State University of Agriculture and Applied Science) Seneca, Kans.
Field of Specialization: Geodetic Science
- Richard William Henley, B.Sc. in Agr..... Willoughby
Field of Specialization: Horticulture
- Frederick William Hessman, B.A.A.E..... Waterville
Field of Specialization: Aeronautical and Astronautical Engineering
- Walter Fredric Hink, Jr., B.S. in Edu. (Ashland College) Columbus
Field of Specialization: Zoology (Entomology)
- Caleb Alfanzo Hull, B.A., D.D.S. (University of North Carolina)
Cherryville, N. C.
Field of Specialization: Dentistry
- Shen-Dat Ing, A.B. (Asbury College, Kentucky)
Kowloon, Hong Kong, China
Field of Specialization: Chemistry
- Ronald Ivan Jackson, B.Sc. (Eng.) (University of Witwatersand)
Johannesburg, South Africa
Field of Specialization: Civil Engineering
- Ira Munselle Kelley, B.A. (Southwestern at Memphis) ; M.D. (University of Tennessee) Sebring, Fla.
Field of Specialization: Preventive Medicine
- Joseph Anthony Kinzel, B.E.E..... Bremen
Field of Specialization: Electrical Engineering
- Sadao Kobayashi..... Kanagawa, Japan
Field of Specialization: Chemistry
- Richard Vincent Kocienda, B.S. (United States Military Academy)
Brooklyn, N. Y.
Field of Specialization: Geodetic Science
- Helmuth Wolfgang Kutta..... Wiesbaden, Germany
Field of Specialization: Chemistry
- Ray Curtis Ladrach, B.M.E..... New Philadelphia
Field of Specialization: Mechanical Engineering
- Myron Douglas Lair, B.C.E..... Columbus
Field of Specialization: Civil Engineering
- Donald Melvin Larson, B.A., B.S. (University of North Dakota) ; M.D. (Wake Forest College) Devils Lake, N. Dak.
Field of Specialization: Psychiatry
- James Eugene LaRue, Jr., B.A. (University of Texas) Houston, Tex.
Field of Specialization: Geodetic Science
- Donald Richard Leavers, B.S. (University of Notre Dame) Bay Village
Field of Specialization: Chemistry
- Carol Ann Lee, B.A. (University of Washington) Park Forest, Ill.
Field of Specialization: Chemistry
- David Webster Long, B.Sc..... Upper Sandusky
Field of Specialization: Botany and Plant Pathology
- Lorna Bailey Lorenzetti, B.Sc. in Phar..... Marion
Field of Specialization: Pharmacy
- Richard Charles Lumpkin, B.E.E. (University of Dayton) Dayton
Field of Specialization: Electrical Engineering

- Richard Curtis Lyons, B.S. (United States Naval Academy) St. Paul, Minn.
Field of Specialization: Industrial Engineering
- Richard Harvey Margolin, B.S. in Phar. (Philadelphia College of
Pharmacy and Science) Wilmington, Del.
Field of Specialization: Pharmacy
- Edward Henry Martin, B.E.E. Dayton
Field of Specialization: Electrical Engineering
- Robert Lawrence McCoy, B.S. (United States Military Academy)
Bluefield, W. Va.
Field of Specialization: Geodetic Science
- Demissie Gebre Michael, B.S. (Imperial Ethiopian College of
Agricultural and Mechanical Arts) Dire Dawa, Ethiopia
Field of Specialization: Agricultural Economics and Rural Sociology
- Charles Edward Miller, B.Sc. in Agr. Green Springs
Field of Specialization: Agricultural Economics and Rural Sociology
- *David Lee Miller, B.Sc. Columbus
Field of Specialization: Physiology
- Lawrence Charles Mitchell, B.M.E. (Fenn College) Parma Heights
Field of Specialization: Industrial Engineering
- Parviz Monadjemi, B.C.E. Esfahan, Iran
Field of Specialization: Civil Engineering
- James Louis Murphy, B.A. (Ohio Wesleyan University) ; D.D.S. Fostoria
Field of Specialization: Dentistry
- Elgene Robert Nichols, B.S. (Kansas State University of Agriculture
and Applied Science) Dayton
Field of Specialization: Physics
- James Keith Payne, B.S., D.V.M. (Kansas State University)
Bountiful, Utah
Field of Specialization: Veterinary Preventive Medicine
- Floyd Richard Poruban, B.Sc. in Agr. Elyria
Field of Specialization: Botany and Plant Pathology
- Donald Wayne Reeves, B.S. (University of Illinois) Chicago, Ill.
Field of Specialization: Geodetic Science
- Charles Francis Reinhardt, A.B. (Wabash College) ; M.D.
(Indiana University) Indianapolis, Ind.
Field of Specialization: Preventive Medicine
- Richard Clarke Reinhold, B.S. (University of Washington) .. Seattle, Wash.
Field of Specialization: Mathematics
- Daryl John Rinehart, B.Sc. Urbana
Field of Specialization: Mathematics
- Norman Charles Rosen, B.Sc. Cleveland Heights
Field of Specialization: Geology
- Charles Robert Rossi, B.S., D.V.M. (University of Illinois) Hillside, Ill.
Field of Specialization: Microbiology
- Herbert Schaadt, Jr., B.Sc. in Agr. Van Wert
Field of Specialization: Animal Science

* Two degrees

- Wesley Donald Seitz, B.Sc. in Agr.....Wapakoneta
Field of Specialization: Agricultural Economics and Rural Sociology
- Howard David Shapiro, B.Sc.....Cleveland Heights
Field of Specialization: Microbiology
- William Knot Shilling III, B.S. (University of Cincinnati) Yellow Springs
Field of Specialization: Electrical Engineering
- Edward Garland Smith, Jr., B.S. (Virginia Polytechnic Institute); B.S.
 (University of Utah).....Columbus
Field of Specialization: Metallurgical Engineering
- Steffen Wesley Smith, B.Sc.....Dayton
Field of Specialization: Physiological Chemistry
- William Robert Smith, B.S. (Kansas State University); D.D.S.
 (University of Kansas City).....Beloit, Kans.
Field of Specialization: Dentistry
- George Heft Snyder, B.Sc. in Agr.....Granville
Field of Specialization: Agronomy
- John William Snyder, B.Sc. in Phys.....Hagerstown, Md.
Field of Specialization: Physics
- Robert Norbert Spanbauer, B.S. (Wisconsin State Teachers College,
 Oshkosh).....Oshkosh, Wis.
Field of Specialization: Physics
- Russell Felix Paul Staerkel, D.D.S. (Marquette University) ..Oshkosh, Wis.
Field of Specialization: Dentistry
- Bruce Baldwin Stauffer, B.Sc. in Agr.....Stone Creek
Field of Specialization: Agricultural Economics and Rural Sociology
- Duane Charles Steele, A.B. (Western Michigan College of Education);
 M.A.....Clarksville, Mich.
Field of Specialization: Chemistry
- Harry Alan Stern, B.Sc.....Cleveland Heights
Field of Specialization: Mathematics
- Smith Thomas Stickley, B.Sc. in Agr.....Urbana
Field of Specialization: Agricultural Economics and Rural Sociology
- Barry Mitchell Storter, B.Sc. in Bus.Adm.; M.D. (University of Miami)
 Naples, Fla.
Field of Specialization: Preventive Medicine
- *Charles Lorn Stoup, Jr., B.Sc.....Columbus
Field of Specialization: Anatomy
- Robert Anderson Sweeney, B.S. (New York State University College of
 Education, Albany).....Roosevelt, N. Y.
Field of Specialization: Botany and Plant Pathology
- Roger Harold Tam, B.S.C.E. (University of Hawaii).....Honolulu, Hawaii
Field of Specialization: Geodetic Science
- Donald Wayne Thompson, B.Sc. in Agr.....Columbus
Field of Specialization: Zoology

* Two degrees

- Dennis Frank Vanderwerf, B.Sc. (Canisius College) Tonawanda, N. Y.
Field of Specialization: Physics
- Andre Normand Vanier, B.A., B.Sc.A. (University of Montreal)
Montreal, Que., Canada
Field of Specialization: Geodetic Science
- Hernan Vega-Campos Santiago, Chile
Field of Specialization: Physics
- Robert Gustaaf Verstraete, Ing. (State University of Ghent)
Ghent, Belgium
Field of Specialization: Electrical Engineering
- Irma Vila-Pinto Antofagasta, Chile
Field of Specialization: Zoology and Entomology
- Ronald Gary Wallace, B.S. (Kent State University) Cadiz
Field of Specialization: Geology
- Raymond William Westerhold, B.S. (Southern Illinois University)
White Hall, Ill.
Field of Specialization: Agricultural Economics and Rural Sociology
- Benjamin Co Yao, B.S.Ch.E. (Mapua Institute of Technology)
Manila, Philippines
Field of Specialization: Chemical Engineering
- Bulent Erturk Yoldas, B.Cer.E. Ankara, Turkey
Field of Specialization: Ceramic Engineering
- Emil Nickolas Zamora, M.D., C.M. (Queens University)
Grimsby, Ont., Canada
Field of Specialization: Psychiatry
- John Frederick Zieglschmid, B.S. (Northwestern University) ; M.D.
(Loyola University) Evanston, Ill.
Field of Specialization: Preventive Medicine
(One hundred and twenty candidates)

**Master of Science
in Public Administration**

- James Philip Springer, B.Sc. Lisbon
Field of Specialization: Political Science
(One candidate)

Master of Social Work

- John Arthur Auer, B.S. in Ed. (University of Dayton) Columbus
Field of Specialization: Social Work
- Mary Taylor Beazley, A.B. (Roosevelt College) Hamilton
Field of Specialization: Social Work
- Emma Jean Brown, B.S. in Ed. (University of Cincinnati) Cincinnati
Field of Specialization: Social Work
- Bonnie Root Ehmann, B.A. (Ohio Wesleyan University) Lockport, N. Y.
Field of Specialization: Social Work
- Carley Bea Farmer, A.B. (Taylor University) Norwood
Field of Specialization: Social Work

- Dean Leroy Farringer, B.A. (Manchester College)Lima
Field of Specialization: Social Work
- Nancy Jean Fauhl, B.Sc. in Soc.Wel.....Lima
Field of Specialization: Social Work
- Emily Schmidt Froehlich, B.S. in Nurs. (University of Cincinnati)
 Cincinnati
Field of Specialization: Social Work
- Gary Leon Frueauf, A.B. (University of Dayton)Dayton
Field of Specialization: Social Work
- Ruth Friedman Goldberg, A.B. (Hunter College)Cincinnati
Field of Specialization: Social Work
- Ernest Edward Linwood, B.A. (North Carolina College at Durham)
 Delray Beach, Fla.
Field of Specialization: Social Work
- Martha Schmitt McCarthy, A.B. (College of Mount Saint Joseph)
 Cincinnati
Field of Specialization: Social Work
- John Thomas Niehaus, B.S. (Xavier University)Cincinnati
Field of Specialization: Social Work
- Clifford Richard Norman, Jr., A.B. (University of Cincinnati) ...Cincinnati
Field of Specialization: Social Work
- James Baldwin O'Hora, A.B. (University of Dayton)Vestal, N. Y.
Field of Specialization: Social Work
- Roger Dean Osborn, A.B. (University of Dayton)Fairborn
Field of Specialization: Social Work
- Donald Shinji Osuga, B.Sc. in Soc.Wel.....Columbus
Field of Specialization: Social Work
- Nina Josel Packman, B.A. (University of Pennsylvania)Cincinnati
Field of Specialization: Social Work
- George Peterson, B.S.C. (Salmon P. Chase College)Cincinnati
Field of Specialization: Social Work
- Edgar G. Petry, Jr., B.S. (Manchester College)Dayton
Field of Specialization: Social Work
- William Edwin Schaffner, B.S. (University of Cincinnati)Cincinnati
Field of Specialization: Social Work
- John Robert Scherm, B.A. (Xavier University)Cincinnati
Field of Specialization: Social Work
- Mary Louise Schrock, B.A. (Goshen College)Archbold
Field of Specialization: Social Work
- Jay Richard Shilling, B.S. (Springfield College)Westfield, Mass.
Field of Specialization: Social Work
- Cleora Jeannette Smith, A.B. (Ohio University)Jeromesville
Field of Specialization: Social Work
- Joel Shepherd Snodgrass, B.Sc.....Springfield
Field of Specialization: Social Work
- Joel Peter Somerick, A.B. (Ohio University)Barberton
Field of Specialization: Social Work

Raymond O. Sumrall, B.A. (Louisiana College); B.D. (Southwestern
 Baptist Theological Seminary).....Shreveport, La.
Field of Specialization: Social Work
 Joseph Lee White, B.A., LL.B.....Columbus
Field of Specialization: Social Work
 Miriam Cross Wollam, B.S. (Elmira College).....Columbus
Field of Specialization: Social Work
 (Thirty candidates)

CANDIDATES FOR TWO DEGREES

Lyle Ellis Angene.....	Bucyrus
Master of Arts	
Bachelor of Arts (summa cum laude)	
Charles Dean Bell.....	Wooster
Bachelor of Arts	
Doctor of Medicine (cum laude)	
William Alta Cook.....	Columbus
Bachelor of Arts	
Doctor of Medicine	
Allen James Daniels.....	Lebanon
Bachelor of Arts	
Bachelor of Science in Business Administration	
Sharon Kae Downey.....	Columbus
Bachelor of Science in Education (cum laude)	
Bachelor of Music (cum laude)	
Max Wallace Flockerzie.....	Bellville
Bachelor of Science in Agriculture	
Doctor of Veterinary Medicine	
Wilmer Charles Gangloff, Jr.....	Cincinnati
Master of Science	
Bachelor of Science in Physics	
Esther Loren Grobsmith.....	Shaker Heights
Bachelor of Arts	
Bachelor of Science in Education	
Marilyn Ambrose Hixon.....	Hillsboro
Bachelor of Arts	
Bachelor of Science in Education	
James David Hopkins.....	Columbus
Bachelor of Arts	
Bachelor of Science in Education	
James Roger Kadel.....	New Carlisle
Bachelor of Arts	
Doctor of Dental Surgery	
Richard John Letvin.....	Tallmadge
Bachelor of Arts	
Bachelor of Science in Education	
Bruce Perry Meyer.....	Columbus
Bachelor of Arts	
Doctor of Medicine	
David Lee Miller, B.Sc.....	Columbus
Master of Science	
Doctor of Medicine	
Bjorn Whildin Nilson.....	Worthington
Bachelor of Arts	
Doctor of Medicine	
Edward Estel Shaffer, Jr.....	Columbus
Bachelor of Arts	
Doctor of Dental Surgery	

Charles Lorn Stoup, Jr., B.Sc.....Columbus
 Master of Science
 Doctor of Dental Surgery

Nancy Lee Waters.....Westerville
 Bachelor of Arts
 Bachelor of Science in Education

Harvey Teres Weinstein.....Middletown
 Bachelor of Arts
 Doctor of Dental Surgery

Aubrey Eugene Wyatt.....Dayton
 Bachelor of Science in Agriculture
 Doctor of Veterinary Medicine

Gerald Marvin Yosowitz.....Shaker Heights
 Bachelor of Arts
 Doctor of Medicine

Stephen Joseph Zaron.....Columbus
 Bachelor of Arts
 Doctor of Medicine (cum laude)

(Twenty-two candidates)

CANDIDATES FOR A DEGREE AND A CERTIFICATE

Martha Louise Allen.....Lakewood
 Bachelor of Arts
 Certificate of Graduate Dental Hygienist

Lee Frances Derbyshire.....Coshocton
 Bachelor of Arts
 Certificate of Graduate Dental Hygienist

Barbara Louise Derr.....Akron
 Bachelor of Arts
 Certificate of Graduate Dental Hygienist

Catharine Anne Frear.....Columbus
 Bachelor of Arts
 Certificate of Graduate Dental Hygienist

Nancy Marie Rauch.....Columbus
 Bachelor of Arts
 Certificate of Graduate Dental Hygienist

Carol Langa Sherman.....Euclid
 Bachelor of Arts
 Certificate of Graduate Dental Hygienist

Virginia Siefert West.....Columbus
 Bachelor of Arts
 Certificate of Graduate Dental Hygienist

(Seven candidates)

COLLEGE OF AGRICULTURE AND HOME ECONOMICS

Dean: ROY M. KOTTMAN

Bachelor of Science in Agricultural Biochemistry

Michael Onyechi Modebe.....Onitsha, Nigeria
(One candidate)

Bachelor of Science in Agriculture

Albert Howell Acken, Jr.....Stow
Richard Maurice Ackley.....Guysville
David Robert Ames.....Wilmington
Clyde Fenton Archer.....Lagrange
Lonnie Ray Ashbrook.....Mt. Gilead
William Athens.....Cleveland
Larry Cloyse Ault.....Cardington
James Quentin Aylsworth.....Shreve
Marvin Eugene Aylsworth.....Shreve
Joseph Homer Belt.....Mt. Sterling
Thomas Albert Bennett (cum laude).....Conneaut
Werner Gerhard Bergen (with Distinction in Dairy Science)....Hartville
James Edward Bernhard.....Shiloh
Bernard Bond Bible.....Columbus
David Robert Binnig.....Thompson
Dale John Blackledge.....Delaware
Ronald James Borton.....Wauseon
William Steele Brackney.....Sabina
Paul Allen Briner.....Montpelier
Donald Lawrence Broering.....Maria Stein
Thomas William Brooks.....Kettering
James Michael Cochran.....Mt. Vernon
Donald Roger Cole.....Bellefontaine
Donald Lee Conrad.....New Holland
John Richard Crunkilton.....Butler
Charles David Dix.....Urbana
John Douglas Dodd.....Chillicothe
Kenneth Edwin Dountz.....Ashville
Vincent James Ebbeskotte.....Delphos
Daniel Earl Eltzroth.....Chillicothe
Charles Richard Etling.....Lancaster
Mark Alan Evans.....Richwood
*Max Wallace Flockerzie.....Bellville
Dorothea Lenore Freitas.....Far Hills, N. J.
Robert Leroy Gallatin.....Columbus
Robert Henry Geers.....Cherry Hills, N. J.
Clarence James Goelz.....Zanesville
Roger Kenneth Gwin.....Lakeville
Douglas Ralph Harper.....Madison
Samuel Clayton Hines.....Wooster
William George Hoerger (with Distinction in Rural Sociology)....Dundee
Jerry Norman Hoppes.....Greenfield
Roger Vernon Howard.....Bloomingsburg
Ronald Leroy Howsmon.....Mechanicsburg

* Two degrees

Paul John Hudak.....	Cleveland
Walter Roger Iams.....	Caldwell
Donald Lee Isler.....	Prospect
Howard Clark Jones.....	Columbus
Robert Allen Kerr.....	Petersburg
Arnold Kenneth Kissell.....	Newark
Ronald Charles Kowalka.....	Oregon
Edwin Dale Kranz.....	Shiloh
Samuel Nelson Lapp.....	West Liberty
William Earl Lemmel.....	Ashland
Donald Louis Lindsey.....	Oxford
Samuel Max Lough.....	Springfield
Lester Clarence Marrison.....	Jefferson
Alexander Robert Martin.....	Columbia Station
Thomas Andrew McClure.....	Wapakoneta
William Frederick Meyers, Jr. (with Distinction in Animal Science)	Vandalia
Carl Lee Miller.....	Delphos
Jacqueline Kay Miller.....	Sycamore
Larry Allen Muir.....	Cortland
James Kenneth Nealon, Jr.....	Newark
Sherman Joel Needham.....	Greene, Ia.
Robert Charles Nietz.....	Wayne
Martin Albert Noel, Jr.....	Columbus
James Ferry Patterson.....	Chesterland
Lee Roy Pollard.....	Wayne
Edward Harold Rigel.....	Leipsic
John Vernon Rittenhouse.....	Hillsboro
John Charles Robinson.....	Radnor
John Daniel Rohrer.....	Orrville
Roger Lewis Rose.....	Minersville
Sharon Barbara Rosenberg.....	Cleveland
Medard A. J. Ruehle (cum laude).....	McCutchenville
Richard Fred Schulte.....	Hinckley
James Richard Siefker.....	Columbus Grove
Don Kay Skillman.....	Mechanicsburg
James Edward Stahl.....	Bucyrus
Donald Hubert Starr.....	Huntsburg
William Ronald Studebaker.....	New Carlisle
Robert John Svec.....	Avon
George David Targee.....	Kingston
Gary Wayne Townsend.....	Collingswood, N. J.
James Howard Trotter.....	East Liverpool
Charles Howard Ullery.....	Dayton
James Joseph Vorst.....	Cloverdale
Richard John Wagy.....	Pataskala
Robert Eugene Walker.....	New Vienna
Richard Mark Wasson.....	Bloomdale
Thomas Ames Wetzel.....	Dayton
William Robert White.....	Wilmington
Stephen T. Williams.....	Wilmington
*Aubrey Eugene Wyatt.....	Dayton
David Kent Yockey.....	Georgetown
Gary Ernest Zinkon.....	Fresno

(Ninety-seven candidates)

* Two degrees

**Bachelor of Science
in Food Technology**

John Lee Deppen (cum laude)	Galion
William James Hirzel	Toledo
Terry Lee Houtzer	Lima
William Bailey McBride	Columbus
Del Wayne Nirode	Wooster
William Joseph Spain	Columbus

(Six candidates)

SCHOOL OF HOME ECONOMICS

**Bachelor of Science
in Home Economics**

Mary Ada Altier	Newton Falls
Paula Karen Bennett (cum laude)	Columbus
Iola Mae Bittikofer	Bucyrus
Suzanne Grieves Blue	Sidney
Roberta Jean Boes	Cincinnati
Barbara Ann Boyd	Elyria
Clara Rapp Boynton	Portsmouth
Evelyn Marie Burky	New Philadelphia
Miriam Kay Butler (summa cum laude)	Farmdale
Rebecca Ann Campbell	New Bremen
Virginia Ann Canary	Columbus
Phyllis Roth Cantor	Columbus
Carolyn Ann Courtright	Columbus
Mary Elizabeth Craig	Middlefield
Marsha Arlene Cummings	Huron
Marion Carol Baker Davis	Leesburg
Carol Page Dochat	Akron
Nancy Marie Downs	Cambridge
Hazel Annabelle Freeman (cum laude)	Marysville
Sharon Reider Goodman	Cleveland
Susan Jane Gorton	Irwin
Rebecca Ann Graham	Columbus Grove
Rhoda Kay Griffith	Westerville
Carol Jean Gump	Columbus
Vicki Anne Guthleben	Painesville
Nancy Ellen Hartshorn	Columbus
Marjorie Maxine Helmreich	Stone Creek
Linda Mae Hess	Zanesfield
Elaine Lee Jenkins	Cadiz
Nancy Jo Kistler	Warren
Joyce LaVonn Kollar	Mt. Vernon
Karen Isabel Kukey	Bedford
Andrea Nancy Levitt	Wilmington, Del.
Patricia Knutson Lindsey	Mt. Prospect, Ill.
Christina Sandra Lisch	Euclid
Janice Marie Martin	Hebron
Toby Lee Meckler	Cleveland
Ida Lucille Mercer	Petersburg
Janice Elaine Mizer	Warsaw
Margaret Ann Mohaupt	Cuyahoga Falls
Linda Newman Molesworth (cum laude)	Columbus

Alice Mae Moseley.....	Thompson
Kay Lorraine Munz.....	Burlington, Ont., Canada
Mary Kathryn Oberst.....	Summit, N. J.
Kathleen JoAnn O'Sullivan.....	Cincinnati
Betty Ann Overturf (cum laude).....	Utica
Constance Lou Oyer.....	Chillicothe
Mary Beth Patrick.....	Jewett
Nancy Ada Powers.....	Fayette
Phyllis Irene Reed.....	Urbana
Sandra MarCotte Reed.....	Fairview Park
Judith Ball Reinke (cum laude).....	Berea
Karen Sue Riker.....	Bowling Green
Carolyn Marie Roehm.....	Dayton
Katherine Ann Ryan.....	Columbus
Marilyn Joyce Sanderson.....	Sylvania
Lydia Edith Schaurer.....	Arcanum
Phyllis Ruth Schlonsky.....	Columbus
Emily Sarah Sedgwick.....	Lakewood
Carolyn Strait Shofner.....	Galloway
Bonnie Sue Slaughter.....	Troy
Sandra Lee Smith.....	Canal Winchester
Stephanie Ann Stein.....	Columbus
Anita Jean Stone.....	Columbus
Roberta Rittenhouse Stuckey.....	Defiance
Eleanor Ruth Swartz.....	North Canton
Sondra Kay Tagg.....	Croton
Barbara Ann Thieringer.....	Columbus
Gertrude Edna Thurston.....	Ashley
Nancy Zurcher Tinsler.....	Columbus
Martha Ann Topp.....	New Bremen
Joanne Marie Whitacre.....	New Carlisle
Susan Dee Zarle.....	Orrville

(Seventy-three candidates)

Bachelor of Science in Restaurant Management

Beatrice Louise Lyon.....	Newark
James Gearard Stout.....	Alliance

(Two candidates)

COLLEGE OF ARTS AND SCIENCES

Dean: J. OSBORN FULLER

Bachelor of Arts

Paul Alexander (with Distinction in Political Science)....	Brooklyn, N. Y.
David Frederick Alkire.....	Northfield
†Martha Louise Allen.....	Lakewood
Charles Everett Allison.....	Lancaster
Clarence Oscar Anderson, Jr.....	Columbus
Laurie MacAdam Anderson (cum laude).....	Cleveland
*Lyle Ellis Angene (summa cum laude).....	Bucyrus
Sandra Elaine Arnoff.....	Cleveland
Damon Floyd Asbury.....	Madison
Margaret Francis Aylesworth.....	Cincinnati
Walter Edward Bakle.....	Toledo
Douglas Earl Bash.....	Columbus
*Charles Dean Bell.....	Wooster
Maida Gail Benisch.....	Brooklyn, N. Y.
Nancy Jane Beran.....	Euclid
Barbara Frances Berlin.....	Camden, N. J.
Rosalyn Lee Biederman.....	Shaker Heights
Michael James Billette.....	Kettering
Judith Marie Billman.....	Pittsford, N. Y.
Ann Cecelia Bilobrowka.....	St. Johnsville, N. Y.
Michael Craig Blackstone.....	Camp Hill, Pa.
William Parker Blair.....	Canton
Carol Sue Boehme.....	Lakewood
Gloria Camille Booth.....	Amsterdam
Charles Vance Brand.....	Woodstock
Jonathan Spencer Bray.....	Albany, N. Y.
Dale Craig Brown.....	West Milton
Betty Jean Burkes.....	Malvern
Margaret Anne Calkin.....	Fremont
Bruce Lee Cameron.....	Columbus
Christopher Rudolph Carlson.....	Port Chester, N. Y.
James Lowen Carlson.....	Washington, D. C.
Judith Kay Carter.....	Springfield
Randall Holmes Casey.....	Muncie, Ind.
Stuart Jay Chaskes.....	Freeport, N. Y.
Gerald Lawrence Chestler.....	Cleveland Heights
Mara Cirulis.....	Columbus
Penelope Dawn Clark.....	Columbus
Forrest Michael Claypool.....	Columbus
Sherrill Ann Cloud.....	DeGraff
Charles Martin Cogen.....	Valley Stream, N. Y.
Blaine Harris Conrad, Jr.....	Akron
*William Alta Cook.....	Columbus
Charles Nicholas Costakos.....	Cuyahoga Falls
Richard Sumner Cottingham.....	Columbus
William Floyd Crandell.....	Sylvania
Thomas Harold Cree, Jr.....	Columbus
John Howard Curry.....	Fostoria
John William Dahmus (cum laude).....	State College, Pa.
*Allen James Daniels.....	Lebanon

* Two degrees

† Degree and certificate

Judith Ann Davison.....	Columbus
Robert Lee Day, Jr.....	Bay Village
Donna Marie DeCessna.....	Columbus
James Rader Deegan.....	Columbus
†Lee Frances Derbyshire.....	Coshocton
†Barbara Louise Derr.....	Akron
Susan Lee Deutch.....	Forest Hills, N. Y.
John Frederick Dickinson II.....	Oberlin
Don Harold Didcoet.....	Troy
Susan Lois Diehl.....	Dayton
James Perry Diendl.....	Lakewood
David Allan Dilger.....	Richwood
Boris Curt Donbergs.....	Cleveland
Ronald Donn.....	Springfield
Stuart F. Dritz.....	Euclid
Judith Ellen Duffey.....	Columbus
Ludwig Thomas Dulka.....	Chardon
Kenneth Thomas Dunham.....	Columbus
Charles Gary Echelbarger.....	Findlay
James Emerson Eckstein.....	Crestline
Dorothy Jean Elk.....	Orwell
Jean Ann Ellis.....	Alger
Nelson Robert Embrey II.....	Lancaster
Stephen Douglas Enz.....	Worthington
Coral Ann Evans.....	Newark
Harold Ellsworth Everling, Jr.....	West Portsmouth
Susan Kay Ewart.....	Utica
Richard Earl Fahrenz.....	Binghamton, N. Y.
Raymond Lee Fahrmeier.....	Cincinnati
Elizabeth Jeanmary Fields.....	Ashtabula
John Carl Fitzgibbons.....	North Olmsted
Deanne Brooke Fitzpatrick.....	Canton
Alva Anne Flynn.....	Danville, Ill.
Sylvia Elaine Foreman.....	Columbus
Alice Millhone Fountain (cum laude).....	Columbus
†Catharine Anne Frear.....	Columbus
John Homer Frye.....	Mansfield
Thomas Eugene Frye.....	Cleveland
Carolyn Sue Galbraith (cum laude and with Distinction in Psychology)	Columbus
Marianne Louise Gatewood.....	Columbus
David Lee Gelbaugh.....	Springfield
William Earl Gibbs.....	Pomeroy
William Richmond Gillam, Jr.....	Columbus
David Franklin Gilmer.....	Springfield
Jeffry Mitchell Glenn.....	Toledo
Allen Robert Glick.....	Pittsburgh, Pa.
Allan David Goldfarb.....	Albany, N. Y.
Lois Ellen Goldstein.....	Shaker Heights
Mark Sheldon Goldstein.....	Cleveland Heights
Roger Newker Gray.....	Bucyrus
Thomas Morgan Gray.....	Columbus
John Robert Greenleaf.....	Rocky River
John Wilbur Gregg.....	Dayton
Walter William Grelle.....	Columbus

† Degree and certificate

Joan Alison Griffin.....Columbus
 *Esther Loren Grobsmith.....Shaker Heights
 Charles Joseph Gross.....Columbus
 Ronald Lee Haas (cum laude and with Distinction in History).....Toledo
 David Eugene Hagan.....Columbus
 Marian Lee Haines.....Steubenville
 Lynn Hanson Hampshire.....Columbus
 Lee Ellen Hanna.....Napoleon
 Sharon Lee Hatfield.....Dayton
 Dennis Cornelius Hayes.....Columbus
 Barbara Louise Hicks.....Columbus
 *Marilyn Ambrose Hixon.....Hillsboro
 Carole Holmes.....Cincinnati
 John Thomas Holmes.....Jamestown, R. I.
 Richard Edward Honicky.....Chagrin Falls
 Patricia Anne Hooge.....Columbus
 *James David Hopkins.....Columbus
 Ralph David Horn.....Dayton
 Bess Horwitz.....Shaker Heights
 Jerry MacArthur Hultin.....Owosso, Mich.
 Patricia Cazier Hutchins (summa cum laude and with Distinction in
 History).....Worthington
 Judith Kay Hyman.....Cincinnati
 Donald Winston Jacob (cum laude).....Shaker Heights
 John Arthur Jewett.....Delaware
 Larry Lee Johnson.....Bucyrus
 Rodney Gardner Johnson.....Fairborn
 Allan Herron Jones.....Marietta
 Lawrence Jones.....Washington, D. C.
 James Alton Jordan.....Hillsboro
 *James Roger Kadel.....New Carlisle
 Judith Karen Kaplan.....Chevy Chase, Md.
 Eugene Jeffery Katz.....Elyria
 Mark Edward Kaufman.....Youngstown
 Liena Rode Kaugars.....Toronto, Ont., Canada
 Phillip Craig Kays.....Columbus
 John Eugene Keck.....Cincinnati
 Ralph Frederick Keister.....Wooster
 James Alan Kepler.....Columbus
 Quentin Charles Kerr.....Warren
 Guat Hoon Khaw.....Penang, Malaya
 Hamlin Caldwell King, Jr.....Springfield
 Morton Lehman Kinnaird.....Loveland
 Marta Jean Knott.....Huron
 Ronald Laymon Kocher.....Dayton
 Linda Gail Kramer.....Berea
 Lorine Ellen Kritzer.....West Orange, N. J.
 Valentin Kuzminec.....Cleveland
 John James Langham.....Maple Heights
 Mark Allen Lapine.....Mansfield
 Dennis Ashley Laskin.....Charleston, W. Va.
 Genevieve Marie Latell.....Girard
 Ronald Joseph Lebjo.....Youngstown
 Melanie Lehmann.....Hamilton
 Judith Lynn Leis.....Springfield
 Harry Nelson Lembeck.....New Haven, Conn.

* Two degrees

Alan Edward Lemke.....Colonial Heights, Va.
 *Richard John Letvin.....Tallmadge
 Louis Hyman Levine.....Bronx, N. Y.
 Gayle Ann Lewis.....Cincinnati
 Douglas Jennings Lint.....Columbus
 Hedda Ann Litowitz (cum laude).....Cleveland
 Richard Max Lowden.....Columbus
 Harvey Irwin Luchans.....Lyndhurst
 Catherine Elizabeth Maidment.....Niagara Falls, N. Y.
 Stewart Irwin Mandel.....Cleveland Heights
 Mary Lee Martin.....Columbus
 Robert Stanley Martin.....Springfield
 Kerri Suzanne May.....Brooklyn, N. Y.
 Michael Allen Mayhew.....Bethesda, Md.
 Shannon Kathryn McCarthy.....Toledo
 Jeannette McCullough.....New York, N. Y.
 Patrick Martin McGrath.....Grand Blanc, Mich.
 James Edwin McIlvain.....Lakewood
 Raymond Arthur McIver.....Columbus
 Marcia Lipson Meckler.....Columbus
 *Bruce Perry Meyer.....Columbus
 Frederick James Milligan (cum laude).....Westerville
 Clyde David Morris.....Youngstown
 Richard Logan Morter.....Kettering
 Muhammed Hemed Nassor.....Wete, Pemba, Zanzibar
 Richard Joseph Neff.....Bucyrus
 David Jay Neustadt.....Shaker Heights
 *Bjorn Whildin Nilson.....Worthington
 William Leo Ochsenwald.....Columbus
 Sheldon Lloyd Ocker.....Akron
 Jerry Trenton Oney.....Norwalk
 Kenneth Harold Oring, Jr.....Elyria
 Sanford Sidney Paris.....South Euclid
 Bohdan Yaro Paschyn.....Lorain
 David Boyd Payne.....Columbus
 William Howard Pearlman.....Shaker Heights
 Avram Ellis Pearlstein (cum laude).....Youngstown
 Randall William Pees.....Wauseon
 Kim Thomas Peterson.....Kewaskum, Wis.
 William Charles Pflaum.....Columbus
 Lee Patrick Phelan.....Reynoldsburg
 Charles Herbert Pierce.....Bath, Me.
 John Frederick Plaggemier.....Euclid
 Michael Francis Plunkett.....Waverly
 Ann Louise Polster.....Columbus
 Andris Gundars Priede.....Worthington
 Arija Putnins.....East Cleveland
 Thomas Harry Quigley, Jr.....Norwood
 †Nancy Marie Rauch.....Columbus
 Charles Robert Rhea.....West Portsmouth
 Irene Roberta Ribyat.....Utica, N. Y.
 Gary Martin Rich.....New Philadelphia
 Raquel Rieur.....Lawrence, N. Y.
 Robert David Ritzhaupt.....Galion
 Barry Gilbert Roderman.....Port Jervis, N. Y.
 Jo Anne Rohrbough.....Dayton

† Degree and certificate

* Two degrees

Thomas Jefferson Rosen.....	Poughkeepsie, N. Y.
Melvin Andrew Ross.....	Columbus
Larry Lee Rutherford.....	Sarahsville
Susan Doris Ryan.....	Westfield, N. Y.
Leslie Lee Sauer.....	Helena
Mark Curran Schaffer.....	Toledo
Virginia Louise Schottin.....	Buffalo, N. Y.
Almut Schroeer.....	Enon
Maxa Schutzbank.....	Brooklyn, N. Y.
Lee Joseph Schwartz.....	Cleveland Heights
Philip Jay Schwartz.....	Columbus
Barbara Ann Schwerin.....	West Orange, N. J.
Dennis Martin Seaman.....	Cleveland
Helena Theresa Sekular, B.Sc. in Edu.....	Lorain
Marilyn Ina Seltzer.....	Brooklyn, N. Y.
JoAnne Settles (cum laude).....	Columbus
*Edward Estel Shaffer, Jr.....	Columbus
†Carol Langa Sherman.....	Euclid
George Timothy Simon.....	Maple Heights
Richard Lyle Simpson.....	Columbus
Victoria Jean Skidmore (with Distinction in Psychology).....	Cincinnati
Marian Jean Smith.....	Columbus
Robert William Smith (cum laude).....	Mansfield
Antoinette Snead.....	Bay Village
Michaele Jean Snyder.....	Coraopolis, Pa.
William Nicholas Sokol, Jr.....	Akron
Joan Ingham Spalding.....	Toledo
Cynthia Russell Sterling.....	Cleveland
Lee Howard Sternheimer.....	Shaker Heights
Sally Jane Stirgwolt.....	Wadsworth
Philip Winston Stockton.....	Bowling Green
Kenneth Richard Stone.....	Laguna Beach, Calif.
Laurence Edward Sturtz.....	Floral Park, N. Y.
Carleton Lewis Taylor III.....	Tamaqua, Pa.
Rudolph John Tekaucic.....	Barberton
Richard Joseph Terrill.....	Columbus
David Arthur Thomas.....	Canton
Jerry Vangel Thomovsky.....	Elyria
Geoffrey Robert Thompson.....	Port Clinton
Janet Pound Thompson (cum laude).....	Columbus
John Clarence Thorne.....	Youngstown
Pamela Jane Thorp.....	Columbus
Lois Judith Tishkoff.....	Cleveland
David Merrill Treadwell.....	Columbus
Timothy Joseph Ucker.....	Columbus
Catharine Geiger Urick (cum laude).....	Troy
Valerie Vanaman.....	Alliance
Paul Terry Vance.....	Reynoldsburg
Sheila Marie Voris.....	Dayton
Patricia Ann Vukovich.....	Youngstown
Eric Armin Wagner.....	Bedford
Gary Peter Waldhorn.....	Elmhurst, N. Y.
Jacqueline Ruth Warner.....	Perrysburg
*Nancy Lee Waters.....	Westerville
Linda Stamm Watkins.....	Cleveland Heights

* Two degrees

† Degree and certificate

Peter Kirk Watt.....	Rockville, Md.
*Harvey Teres Weinstein.....	Middletown
Thomas Henry Welch.....	Lima
Ronald James West.....	Youngstown
†Virginia Siefert West.....	Columbus
William Patton Wheeler.....	Columbus
Sara Marilyn Wice.....	Atlanta, Ga.
Janice Arlene Wichterman.....	Columbus
Charles John Wilhelm.....	Glenview, Ill.
John Robert Wilhelm.....	Columbus
Cloyd David Wilson.....	Columbus
Victor Wendell Winkler.....	Columbus
Larry Kenneth Wright.....	Brookville
Barbara Ellen Wunder (cum laude).....	Rochester, N. Y.
*Gerald Marvin Yosowitz.....	Shaker Heights
Dianne Jeanne Young.....	Columbus
Ivars Zageris.....	Columbus
*Stephen Joseph Zaron.....	Columbus
Theodore Bohdan Zawolowycz.....	Cleveland
Norman Wesley Zierhut.....	Columbus
Jan Howard Zimmerman.....	Fairborn
Michael Jay Zimmerman.....	Columbus
Linda Ann Zufall (cum laude).....	Wooster

(Two hundred and ninety-three candidates)

Bachelor of Science

Sharon Gayle Abbott.....	Columbus
William David Adams.....	New Concord
Michael Dean Alexander.....	Columbus
Charles Gerald Allen.....	Urbana
Herbert Allen Asch.....	Lorain
Ted Gary Avner.....	Gallipolis
Raymond Balsys.....	Stow
William Edwin Bartels, Jr.....	Northport, N. Y.
Victor Hiram Bazzoli.....	Canton
Sanford Philip Benjamin.....	Cleveland
Robert Harding Blinn, Jr.....	Euclid
Leonard Barry Block.....	Columbus
Donald Herbert Bloom.....	Columbus
John Wanamaker Born (cum laude and with Distinction in Zoology).....	Akron
James Norton Broock.....	Springfield
Dorothy Jean Brown.....	Cleveland
Jo Carol Brown.....	Columbus
Judith Ellen Brushwood.....	Coshocton
Kenneth Warren Bucher.....	Parma Heights
David Richard Burley.....	Crooksville
Allan Leo Cage.....	Columbus
Charles Edwin Campbell (cum laude).....	Columbus
Harold Edwin Chafin.....	Columbus
Douglas Brent Clark.....	Chillicothe
Robert Lynn Cohrs.....	Napoleon
Allan Leslie Combs.....	Galena
Charles Edward Cottrell.....	Wapakoneta
Virgil Hemmons Curry.....	Louisville, Ky.

* Two degrees

† Degree and certificate

George Ernest Dambach.....Worthington
 James Clarence Darnier.....Adamsville
 Stephen Lee Deardourff.....Greenville
 Frederick Joseph Dickey (summa cum laude).....Westerville
 Ronald Erwin Dolinsky.....Cleveland Heights
 Bradley Harris Dowden.....Columbus
 John Warren Downing.....Bucyrus
 Edmund Joseph Durkin.....Cleveland Heights
 Herbert Barnard Eagon, Jr.....Delaware
 Theodore Frank Ebner.....Lafayette
 Diana May Eby.....West Liberty
 Carl Spencer Eisenberg.....Euclid
 Dennis William Enright.....Barberton
 John William Erkert II.....Toledo
 Victor Michael Fabish.....Columbus
 Larry Lee Fisher.....Wilmington
 Judith Karen Fitch.....Lakewood
 Jon Alvin Fitzenrider.....Bryan
 John Patrick Flanagan.....Columbus
 Marvin Edward Fogel.....Lancaster
 Anthony George Hocks Folliss.....Columbus
 Rodney Noah Foster.....Cleveland
 Lawrence Elwood Frank.....Bellevue
 Barry Alan Friedman.....Columbus
 Wilmer Kenichi Furuta.....Columbus
 Marjorie Linda Gallin.....Mayfield Heights
 John William Garwood.....Fairfax, Va.
 David Lee Geiger.....Dayton
 Dixon William Gerber.....Dayton
 William Allen Gintling.....Akron
 James Harold Girkins.....Toledo
 Joel Henry Goldberg.....Scarsdale, N. Y.
 Jack Frederick Hamilton.....Washington C. H.
 Morton Paul Hansen.....Columbus
 Thomas Howard Hartranft.....Columbus
 Shirley Ann Hatfield.....Dayton
 Richard Leigh Hawkins.....Lorain
 Ellen Patricia Hennessey.....Columbus
 Margaret Elizabeth Hetzel.....Augusta, W. Va.
 Connie Sue Hill.....Lancaster
 Charles Edwin Hina, Jr.....Mayfield Heights
 Arden Luther Hothem.....Wooster
 Clayton Edward Howerton.....Knoxville, Tenn.
 Bruce Joseph Ianetta (cum laude).....Cleveland
 Eleanora Roberta Iberall.....Cleveland
 Kenneth John Irwin.....Columbus
 James Darryl James.....Vienna
 Frank Joseph Jerome, Jr.....Lakewood
 Daniel Lewis Jones.....Columbus
 Tad Harbison Koch (summa cum laude).....Mt. Vernon
 Clarence John Kofron.....Lakewood
 James Sigmund Kohner.....Shaker Heights
 Judith Ann Konecsni.....Cleveland
 Gerald Franklin Koser.....Sandusky
 Frederick Joseph Krock.....Kenton
 Jerome Edward Kurent.....Independence

Melvyn Philip Scolnick.....	Willowick
Salvatore Vincent Sidoti.....	Bellevue
John Virgil Siebert.....	Vermilion
Roger Alan Sievers.....	Rocky River
Lawrence Allen Singer.....	Springfield
Roger Matthew Singer.....	Great Neck, N. Y.
John David Sixt.....	East Liverpool
Phyllis Gail Slough.....	Middletown
Raymond Hagerman Smith (cum laude).....	Bloomfield Hills, Mich.
John Arthur Snyder.....	Columbus
Stephen A. Solomon.....	Elyria
David Rees Sperry.....	Newark
Robert Paul Spitz.....	Cleveland
Richard Elwood Spyker.....	Lima
John Philip Tankovich.....	Columbus
Michael Richard Taradash.....	Youngstown
Virginia Ann Terpay.....	Hyattsville, Md.
Frederick Jay Tompkins.....	Columbus
Russel Lord Tracy.....	Columbus
Eugene Joseph Tricarico.....	Lyons, N. Y.
Barbara Carol Troendly.....	Bowling Green
Gary Wood Troutman.....	Toledo
David Alan Walker.....	Parma
Roger Alan Weiss.....	Cleveland Heights
James A. Wells.....	Orrville
Howard Spencer Wharton.....	Ashland
Roger Dean White.....	Shelby
Elzworth Chester Wiesenmayer.....	Wapakoneta
James Larsen Worthley.....	Westlake
Wayne Paul Yingling.....	Massillon
Frank Joseph Zahler.....	Huntsburg
Stephen George Zahony.....	Cleveland
Bonnie Louise Zavortink (summa cum laude and with Distinction in Psychology)	Ravenna

(One hundred and seventy candidates)

Bachelor of Science in Medical Technology

Nancy Gourley Blair.....	Youngstown
Mary Louise Costantini.....	Cleveland
Peggy Ann Harris.....	Shaker Heights
Linda Lou Johnson.....	Bucyrus
Rebecca Ruth Rainier.....	Canal Winchester
Cynthia Sue Ream.....	Novelty
Kay LaVerne Ryan.....	Byesville
Joan Francine Tekaucic.....	Barberton

(Eight candidates)

Bachelor of Science in Physical Therapy

Suzanne Arnold.....	Troy
Barbara Adeline Barry.....	Dayton
Christine Ann Beisner.....	Tiffin
Janet Louise Biller.....	Mt. Jackson, Va.
Peggy Kumler Bogart.....	Vermilion
Ann Wallace Brunswick.....	Willoughby
Anthony Dennis Certo.....	Jamestown, N. Y.

Nellie Elizabeth Close.....	Union, Mo.
Mary Jane Culbertson.....	Covington, Ky.
Carol Blum Curtiss.....	Columbus
Patricia Ann Dinga.....	Plymouth Meeting, Pa.
Nancy Elizabeth Ebright.....	Columbus
Carolyn Therese Farkas.....	Hudson
Donald Ray Foltz.....	East Canton
Amy Lois Goldsmith.....	Shaker Heights
Jacqueline Kay Hettrick.....	Lexington, Ky.
Rita Greer Krasny.....	Marysville
Mary Ann Lykken.....	Springfield
William Leonard Musser.....	Westerville
Diane Patricia Nichols.....	North Olmsted
Jasper Newton Pharr.....	Cincinnati
Mary Lou Reul.....	Cincinnati
Marjorie Jo Rheinscheld.....	Logan
Virginia Ernestine Rogers.....	Cleveland
Elaine Phyllis Rosenberg.....	Atlanta, Ga.
Sandra Jean Smith.....	Martins Ferry
Suzanne Smith.....	Peebles
Julie Ortman Sutphen.....	Dublin
Patricia Ann Sutton.....	Barberton
Donald Otho Tootle.....	Chillicothe
John Clarence Trittschuh.....	Versailles
Ralph Richard Wittenbrook.....	Amherst

(Thirty-two candidates)

SCHOOL OF JOURNALISM

Bachelor of Arts

Frank William Anzinger.....	Springfield
Sandra Jeanne Arter.....	Perrysburg
Elfrieda May Ayle.....	Xenia
Charles Lee Bell.....	Avon Lake
Thomas Glenn Buckham, Jr.....	Mt. Vernon
Leonard Downie, Jr. (with Distinction in Journalism).....	Cleveland
Sarah Elizabeth Evans.....	Mansfield
Pearlann Gulden.....	Atlanta, Ga.
Susan Lynne Harman.....	Columbus
Jean Shirley Heller.....	Warren
Roger Durrel Knott, Jr.....	Columbus
Kenneth Robert May.....	Mansfield
Diana Frances Morse.....	North Beach, Md.
Frederick William Papay.....	Fairview Park
Georgia Margaret Paul.....	Canton
Jane Eleanor Schneider.....	Cincinnati
Carol Ann Sopinski.....	Canton
Robert Alan Steinberg.....	East Liverpool
Daniel James Swillinger.....	Cincinnati
Martha Frances Timura.....	Cleveland
Richard Alan Widows.....	Cleveland

(Twenty-one candidates)

SCHOOL OF OPTOMETRY

Bachelor of Science in Optometry

John Newton Allen, Jr.	Wilmington
Donald LeRoy Bader	Mt. Gilead
Jerome Martin Benkel	Dayton
James Cooke Bieber	Columbus
Larry Martin Bloom	New York, N. Y.
Kenneth Andrew Boyle, B.S. (Ohio University)	Richmond Heights
William Burnett Campbell	Columbiana
Jerry Lee Christensen	Worthington
Palmer Robert Cook, B.Sc.	Minerva
Nicholas James Donch	Albion, Pa.
David Harry Eberhart	Columbus
Martin Glassman, B.S. (University of Cincinnati)	Cincinnati
Douglas Neil Heinze	Mulliken, Mich.
Gary Alferd Hyde	Bristolville
Vincent Mervin King	Charlotte, Mich.
James Lester Kuhlman	Dayton
Robert Prine Liggett	Ripley
Robert Milton Marquard	North Muskegon, Mich.
Robert William Moore	Fostoria
Ronald Stuart Rocco	Canton
Roy A Schlabach, B.Sc. (cum laude)	Charm
Louis Anthony Shovels	Pontiac, Mich.
David Lenard Smith, B.Sc.	Lancaster
Robert Hunter Sunkle, A.B. (Wittenberg University)	Cleveland
Glenn Alan Toth	Cleveland
James Lance Wight	Wellington
Isadore John Youshak	Huntsburg

(Twenty-seven candidates)

COLLEGE OF COMMERCE AND ADMINISTRATION

Dean: JAMES R. MCCOY

Bachelor of Science in Business Administration

Leland Dale Adams, Jr.	Columbus
Ralph David Amiet (cum laude)	Apple Creek
Leslie Herbert Apple	University Heights
George John Arnold	Rocky River
Paul Thomas Baehr	Columbus
Philip Michael Baehr	Columbus
Richard Michael Bahr	Bexley
Kennard Percival Balme, Jr.	Alexandria, Va.
John Roger Barnes	Uhrichsville
Martin Earl Batross (cum laude)	Zanesville
Robert Allen Bechtel	Elyria
David Allen Beebe	Parma
Paul Christy Belhorn	Columbus
Ted John Bembenek, Jr.	Curundu, Canal Zone
Sue Ellen Berndt	Portsmouth
Jerry William Bliley	Union City, Pa.
Richard Wilson Borel	Dublin
John Robert Bosen	Columbus
Peter Phillip Botsakis (cum laude)	Cleveland
Charles William Branson	Toronto, Ont., Canada
John Daniel Brewer	Columbus
Paul Leo Brunswick	Greenville
Stephen Hoyt Buckingham	Upper Sandusky
Kenneth George Burdell	Charleston, W. Va.
Melvyn Irwin Burk	University Heights
James Terry Burkey	Millersburg
Donald Weston Burton	Columbus
Bailey William Bush	Columbus
Judith Ellen Campbell	Columbus
Howard Taft Canfield, Jr.	Columbus
Donald Carson	Chillicothe
Ronald Ray Casteel	Worthington
David Joseph Cattey	Lima
Jeffrey Herbert Ceppos	Far Rockaway, N. Y.
Joseph Anthony Chinnici, Jr.	Parma
Sondra Ann Clapp	Celina
Ronald James Clark	Farmington, Mich.
James Michael Clouse	Columbus
Sanford David Cohen	Middletown
George Avery Collins, Jr.	Vandalia
Thomas Young Conger	Columbus
Harry Paul Criss, Jr.	Mansfield
David William Crist	Columbus
James David Croft	West Liberty
*Allen James Daniels	Lebanon
John Theodore Danylyk	Cleveland
Dennis Gilbert Davis	Otway
Harvey Alan Davis	Cleveland
Neill Tison Dimmick	Lakewood
James Edgar Dodd, Jr.	Sidney

* Two degrees

Herbert Steven DuCovna.....Cincinnati
 Lennis Mack Duncan.....Toledo
 Stuart Allen Eisenberg.....Shaker Heights
 Warren Keith Emptage.....LaRue
 James William Erickson.....Westlake
 John Russell Ezzell.....Columbus
 Jack Lee Farsht.....Lima
 Diane Lois Feldinger.....Winnetka, Ill.
 Mark Donald Fishman.....Beachwood
 James Robert Ford.....Huron
 Paul David Frankel.....Toledo
 Granville James Frasher.....Newark
 Steven Theodore Galle.....Scarsdale, N. Y.
 James Manuel Galvez.....Sacramento, Calif.
 James Earl Gates.....Reynoldsburg
 Mark Howard Goldberg.....Ventnor City, N. J.
 Ronald Lawrence Goldman.....Los Angeles, Calif.
 Alan I Goodman.....University Heights
 Hy Sheldon Gordon.....Cleveland Heights
 Howard Groh.....Kettering
 James Gusty.....Blue Island, Ill.
 Gerald Ellis Haney.....Elyria
 Paul Edward Hardcastle.....Cincinnati
 Max Brown Hardy, Jr.....Leesburg, Ga.
 James Harris Harman.....Canal Winchester
 Bruce Douglas Harmon.....Columbus
 Donald Gene Hauser.....Marysville
 Neil Dennis Heikkila.....Cromwell, Minn.
 Ralph Kenneth Henricks (cum laude).....Jackson, Calif.
 Frederick William Hill.....Cleveland
 James Scott Hill.....Amarillo, Tex.
 William Ripley Hinshaw.....Washington, D. C.
 Ned William Hoge.....New Knoxville
 Jeffrey Lynn Holden.....University Heights
 John Edward Hollender.....Massillon
 Thomas Ashley Holton.....Dayton
 Raymond Elmer House.....Eastlake
 Timothy John Howard.....Lakewood
 Kenneth Dayle Ireland.....Galion
 John James Jablonski.....Elyria
 Larry Allen Jackson.....Cincinnati
 Langley Bruce James.....Columbus
 Charles Haddon Jones, Jr.....Cincinnati
 Charles Robert Jones.....Hamilton
 Maurice Howard Kastner.....Sidney
 Christopher Robin Kern.....Columbus
 William Presley Kilgore, Jr.....Fayetteville, N. Y.
 David Lawrence Kirek.....Akron
 Paula Jean Kirklings.....Columbus
 Lee Norman Kisor.....Bucyrus
 John Alexander Kissh, Jr.....Mansfield
 Jerry Lee Knappenberger.....Newark
 Aldis Marshall Knight.....Edon
 Charles Lee Knoop.....Sidney
 Patrick Edward Langford.....Columbus
 Ralph Meredith LaPorte, Jr.....Uhrichsville

Stephen Howard Latz.....Massapequa, L.I., N. Y.
 Aaron Jay Leventhal.....Cleveland Heights
 John Arthur Lowry.....Columbus
 Ronald Zale Lubeach.....Lima
 Joseph Robert Malaney.....San Diego, Calif.
 Howard Barry Maniker.....Cleveland Heights
 Robert Pundt Markey.....Lewisburg
 Roy Markle.....Harrison, Ark.
 Donald Elman Martinez.....Springfield, La.
 Jeffrey Allen McCrabb.....Trotwood
 John Livingstone Mead, Jr.....Columbus
 Diane Jacqueline Mendel.....Akron
 Victor Davis Merullo.....Columbus
 Billy James Middlebrook.....Burleson, Tex.
 Bernard Keith Miller.....Coshocton
 Michael Theodore Miller.....Columbus
 James Franklin Monnett.....Buckeye Lake
 Leroy Noble Montgomery.....Sandusky
 Herff Leo Moore, Jr.....San Antonio, Tex.
 Maurice Jerry Moore.....Columbus
 Richard Hall Moore.....Cincinnati
 David James Morris.....Stamford, Conn.
 Thomas Allen Morrison.....Strathmore, Calif.
 Alan Morton.....Gahanna
 Peter James Musci.....Bellaire
 Joseph Narbut, Jr.....Carbondale, Pa.
 Russell Stanley Natherson.....Cleveland
 Larry Allen Nichols.....Mansfield
 John Edward Nicholson.....Columbus
 James Walter Nichter.....Logansport, Ind.
 David Merrick O'Keefe.....Delaware
 James Francis Osborne II.....Columbus
 Panayotis Fernahue Pappas.....Zanesville
 Ilona Margaret Parsch.....Cleveland
 Stuart Nelson Parsons (cum laude).....Johnstown
 Ronald Eugene Patterson.....Columbus
 Bonnie Curran Patton (cum laude).....Baltimore, Md.
 Jerry Vaughn Patton.....Lorain
 John David Pelton.....Columbus
 Joseph Norton Perlman.....Toledo
 Leonard George Piech.....Jefferson
 David Plata.....Brooksville, Fla.
 Dennis Mark Polisner.....Shaker Heights
 Howard Polster.....Cleveland
 John Ryder Poole II.....Columbus
 Douglas Lynn Price.....Findlay
 Richard Alan Price.....Dayton
 Jeffrey Roland Reid.....Parma Heights
 Guy Eugene Renfro, Jr.....East Greenwich, R. I.
 Baiba Folkmanis Reynolds.....Yellow Springs
 Charles Elda Rittenhouse.....Conneaut
 Ronald Michael Robinson.....Southampton, N. Y.
 William Joseph Rohleder.....Wichita, Kans.
 Beverly Fern Rosenmutter.....Chicago, Ill.
 Kenneth Leroy Rowland.....Jeromesville
 Raymond William Schaffer.....Cincinnati

Harry Angus Schermer.....	Youngstown
Donald Ivan Schiefer.....	Bucyrus
I. Howard Schlezinger.....	Columbus
Douglas Allan Schmahl.....	Romulus, N. Y.
John William Schneider.....	Custar
James Lee Schorr.....	Columbus
Harry Paul Schwitzgebel (cum laude).....	North Canton
David Leslie Searfoss.....	Harrod
David Jerome Sheehy.....	Columbus
Gerard Francis Skruck.....	Hubbard
Daniel Michael Slane.....	East Paterson, N. J.
John Allen Snoble.....	Elyria
James Edmond Spiegel.....	Bucyrus
Larry Charles Stemen.....	Pickerington
Craig Myers Stewart.....	Columbus
Roger Reece Stough.....	Findlay
Thomas Edward Stover.....	Columbus
James Herbert Strock.....	Poland
Michael Francis Daniel Sullivan.....	Columbus
David Alan Sutton.....	Newark
William Chandler Swope.....	Welch, W. Va.
Karl David Tritsch.....	Columbus
James Edward Trogus.....	Canal Winchester
Dennis Joseph Trombly.....	Millerton, N. Y.
Jerry Miles Tulga.....	Columbus
Donald Thomas Voris.....	Newark
Leslie Kermit Wagner.....	Mansfield
Stephen Owen Walcutt.....	Worthington
Wayne Douglas Walk.....	Tralee, W. Va.
David Carl Washburn.....	Columbus
William Lloyd Watson.....	Coshocton
Kenneth Sterling Watts.....	Cincinnati
David Milton Weaver.....	Circleville
Jack Weinberg.....	Akron
James Irving Weprin.....	Dayton
Terry Elson Whaley.....	Columbus
Ronald Kenneth Whiting.....	Painesville
Russell Herbert Whittemore.....	Natick, Mass.
Gregory Drake Wilson.....	St. Marys
John Crerar Winton.....	Rocky River
John Harry Yeamans.....	Columbus
David William Yost.....	Columbus
Daniel Edward Younker.....	Gibsonburg
Grace Ann Yoxsimer.....	Columbus
Walter Zabinski.....	Pittsburgh, Pa.
James John Zavocky.....	Parma
Larry Edwin Zigli.....	Worthington

(Two hundred and nine candidates)

Bachelor of Science in Social Welfare

Bonnie-Jo Bogner.....	Mansfield
Stanley John Debiec, Jr.....	Columbus
Barbara Basofin Dolinger.....	Columbus
James Craig Dowell.....	Hilliard
Geraldine Ostrow Dubrow.....	Pittsburgh, Pa.

Diane Lillian Dudgeon.....	Akron
Diane Louise Etter.....	Marion
Susan Katherine Fitz-Gibbon.....	Lakewood
Sandra Merle Gluckman.....	Cleveland
Norman Richard Graham.....	Columbus
Barbara Rawling Grassan.....	Toledo
Margaret Ruth Haier.....	Willoughby
Esther Stratton Johnson.....	Columbus
Linda Jane Jordan.....	Caldwell
Carol Jane Luker.....	Granville
Barbara Lynn Matison.....	Laurel, Miss.
Susan Rosalyn Meyer.....	Springfield
Bruce Arnold Moore, Jr.....	Norwalk
Darrell Lee Murphy.....	Canton
Henry Thomas Pomante.....	Columbus
Marcia Ann Porter.....	Reynoldsburg
Robert Joseph Shuster.....	Cleveland
Robyn Gay Sloboda.....	Columbus
Judith Dreama Vogt.....	Columbus
Rita Lois Waldman.....	Columbus
Sandra Lynn Wendt.....	Cuyahoga Falls

(Twenty-six candidates)

COLLEGE OF DENTISTRY

Dean: WENDELL D. POSTLE

Doctor of Dental Surgery

Wallace Dare Abbey, Jr., B.Sc.....	Columbus
Richard Nathan Alpers, B.Sc.....	Columbus
William Martin Azallion.....	Lafferty
Gerald Bader.....	Toledo
Philip Gordon Beaver.....	Hamilton
Lawrence Frederick Bennett.....	Columbus
James Edward Bishop, A.B. (University of Cincinnati).....	Cincinnati
Herbert Gern Bletner, B.Sc.....	Barberton
Robert Lewis Brandt, B.S. (Denison University).....	Fairview Park
William Stanley Bricker, B.Sc.....	Hicksville
Harry Thomas Brooks, B.Sc.....	Columbus
Ralph Gaylord Bruckman, B.Sc., B.Sc. in Edu.....	Columbus
James Lawrence Bruzzese, B.Sc. in Edu.....	Steubenville
Walter Norman Bumb, B.S. (Bowling Green State University) ..	Montpelier
Robert Lee Bump, B.A. (cum laude).....	Garfield Heights
John Donald Cercek.....	Cleveland
Larry Raymond Cleaves, B.Sc.....	Lima
Philip Edward Cochran, B.A.....	Napoleon
Danny Joe Crocker (cum laude).....	Glendale
Phillip James Davis.....	Middletown
Frank L. Demos, B.A.....	Canton
Dennis Lynn DeMuth (cum laude).....	Sylvania
Louis Patrick DiOrio, A.B. (Hiram College) ; M.S. (University of Illinois)	Youngstown
Robert Linn Dix.....	Canton
Herman Alfred Doll, Jr., A.B. (Harvard University).....	Dayton
Robert Stephen Drew.....	Lancaster
Geoffrey Stuart Dunn.....	Columbus
Frank Ray Elges, B.S. (Mount Union College).....	Alliance
Harley Andrew Ellinger, Jr.....	Logan
Thomas Dunn English, B.S. in Pharm. (University of Cincinnati)	Cincinnati
James Ervin Faris, B.S. (Wilmington College) (cum laude) ...	New Vienna
Frederick Roy Faust.....	Dayton
David Francis Fleming.....	Columbus
Chad Leon Fogle, A.B. (Ohio University) ; M.S. (University of Arkansas)	Dayton
Jack Thomas Foliano, B.A.....	Garfield Heights
John George Fratz, Jr., B.Sc.....	Cincinnati
Frederick Alfred Fri, Jr., B.A. (Ohio Wesleyan University).....	Medina
Paul John Gaiser, B.Sc.....	Columbus
Gary Paul Gersh.....	Dayton
Donald Edward Gleason, B.Sc.....	Cincinnati
Jerome Neal Golub, A.B. (Western Reserve University).....	South Euclid
Mervin Wayne Graham, B.Sc. (cum laude).....	Columbus
Douglas Barrett Green.....	Akron
Harry Edward Green, B.A. (Northwestern University).....	Ashtabula
Edward Stephen Haenick.....	Youngstown
Jack Allen Hahn.....	Akron
Ronald Dwayne Haines (cum laude).....	Massillon
Timothy Conrad Hall.....	Columbus

Paul Burnett Haynes.....Plain City
 Ira Lee Hedrick, Jr.....New Albany
 Robert Allen Heinzerling, B.Sc. in Bus.Adm.....Columbus
 Daniel Arthur Henderson, B.S. (University of Toledo).....Toledo
 Wilbert Jay Heyman, B.Sc.....Youngstown
 Douglas Phillips Hinton.....Dayton
 Otto Lefate Howell, Jr., B.S. (Capital University).....Columbus
 Gary Franklin Igleburger (summa cum laude).....Dayton
 Edward Joseph Jacob.....Toledo
 Valdemars Janis Jekkals (summa cum laude).....Cuyahoga Falls
 Robert Samuel Jones, B.S. (University of Pennsylvania).....Warren
 Joseph Frank Julius.....Youngstown
 *James Roger Kadel.....New Carlisle
 Marvin Morris Kay, B.A.....Columbus
 Daniel Allen Keenan, B.S. (Wilmington College).....Owensville
 Allen Werner Keyser, B.Sc.....Columbus
 David Simon Kilgore, B.Sc.....Fairborn
 Robert Joseph Kinkoph, B.A. (Kent State University).....Cleveland
 Kenneth Joseph Kozar.....Lorain
 Lee Ralston Lohnes, B.A. (Ohio Wesleyan University).....Springfield
 Salvatore Paul Lowry.....Youngstown
 John Carl Lude, B.Sc. (cum laude).....Youngstown
 Ronald Eugene Mangie, B.Sc.....Youngstown
 James Robert Masters.....Canton
 James Theodore McMillin, B.S. (Bowling Green State University) ..Newark
 Frederick George Meier.....Lancaster
 Raymond Jerome Menegay (cum laude).....Canton
 Robert Henry Morason, A.B. (Miami University).....Toledo
 Leslie Darrell Morgan, B.A.....Akron
 Markham Lane Murphy, B.Sc.....Mansfield
 Jack Raymond Musick, B.A.....Corning
 George James Mustrie.....Wadsworth
 Richard Lee Nash, B.Sc.....Minerva
 Henry Langley Page, Jr.....Blanchester
 Roland Paul Pagniano, B.Sc. in Edu., M.Sc.....Wooster
 William Arthur Palmer (cum laude).....Archbold
 Martin Clifford Perkins, B.A. (College of Wooster).....Mt. Gilead
 Howard Worthington Peterson, Jr., B.A.....Steubenville
 John David Peterson, B.S. (Bowling Green State University).....Geneva
 Thomas Gale Pierron.....Portsmouth
 Russell Joseph Pollina, Jr.....East Cleveland
 Robert Joseph Pond, B.Sc. in Agr.....Latty
 Peter Rocco Pugliese, B.Sc.....Cleveland
 James Albert Rayfield.....Sandusky
 David Eugene Rechsteiner.....Akron
 Glenn David Reinbold.....Cuyahoga Falls
 Richard Jay Risinger.....East Liverpool
 Bruce Berndt Robeson, B.S. (Bethany College).....Canton
 Kenneth Lewis Roehrig, B.S. (Defiance College).....Defiance
 John King Rosen, B.A.....Columbus
 Morris William Rosenthal.....Cincinnati
 Albert Louis Ross, Jr.....Painesville
 Dale Werner Seck.....Canton
 John Malcolm Seeds, B.Sc. in Edu.....Reynoldsburg
 Louis Charles Seikel, B.S. (University of Akron) (cum laude).....Akron

* Two degrees

*Edward Estel Shaffer, Jr.....	Columbus
Milton Junior Shaffer, B.Sc. in Edu.....	Lexington
John Laird Shannon, B.A.....	St. Clairsville
Alan Jay Slife.....	Akron
Stanley Stanford Smith, Jr., B.S. (University of Dayton).....	Dayton
Donald Roger Sprowls.....	Wooster
Robert Earl Stearns, Jr.....	Toledo
Thomas Malcolm Stewart.....	Springfield
*Charles Lorn Stoup, Jr., B.Sc.....	Columbus
Edward Joseph Straub.....	Columbus
Robert David Tennant, B.Sc.....	Mansfield
Frank Clemens Theisen.....	Cincinnati
Henry Daniel Thomas, Jr., B.A. (College of Wooster).....	Dalton
James William Thomas, B.S. in Edu. (Miami University).....	Gallipolis
Gino Louis Ventresca, B.Sc. in Edu.....	Columbus
Harold Richard Von Wyl (cum laude).....	Canton
Louis Earl Waite.....	Columbus
Matthew Michael Wansack.....	Campbell
*Harvey Teres Weinstein.....	Middletown
Robert Lynn Whitacre, B.B.A. (Western Reserve University).....	Newton Falls
Joe Douglass Wiese, B.A.....	Columbus
Theodore Thomas Wilson, B.A.....	Columbus
David S. Winston, B.A.....	New Philadelphia
Robert Eugene Wood.....	Columbus
John Carl Worley, B.S. (Otterbein College).....	Westerville
Wayne Keith Wright, B.S. (Otterbein College).....	Vandalia
Ronald William Zesch, B.S. (University of Cincinnati).....	Cincinnati

(One hundred and thirty candidates)

Certificate of Graduate Dental Hygienist

Carol Sue Albright.....	Bucyrus
†Martha Louise Allen.....	Lakewood
Judith Miller Ashworth.....	Eaton
Barbara Sue Axelrod.....	Shaker Heights
Nancy Jo Bailey.....	Columbus
Nancy Elizabeth Boehm.....	Rocky River
Julia Edith Boss.....	Cincinnati
Lois Margaret Brigleb.....	Perry
Sandra Sue Brumfield.....	Franklin
Mary Magdalen Cavasinni.....	Cleveland
Doris Trumanna Cline.....	Mansfield
†Lee Frances Derbyshire.....	Coshocton
†Barbara Louise Derr.....	Akron
Marilyn Cheryl Drake.....	Coshocton
Ann Elizabeth Elgert.....	Brookville
Joan Rae Ely.....	Antwerp
Marlene Elaine Fink.....	Cincinnati
†Catharine Anne Frear.....	Columbus
Lynda Lou Fretwell.....	Rittman
Carol Paulette Fundak.....	Lorain
Pauline Fundak Furr, B.S. (Ohio University).....	Lorain
Donna Sue George.....	Columbus
Joanne Marie George.....	Wauseon
Mary Lee Grosse.....	Columbus

* Two degrees

† Degree and certificate

Sandra Jean Haudenchild.....	Cuyahoga Falls
Carol Lee Hertz.....	Oakland, Calif.
Karen Sue Hobbs.....	Columbus
Donna Kay Hunston.....	Euclid
Lorra Jean Hutson.....	Rocky River
Karen Ann Jones.....	Columbus
Lana Louise Keller.....	Columbiana
Lee Ann Kennedy.....	Wapakoneta
Marcia Louise Kinross.....	Cincinnati
Katherine Kay Kinsey.....	Newark
Sue Marshall Kunze.....	Columbus
Phyllis Wilner Levy.....	Cincinnati
Linda Loma Lorincz.....	Painesville
Janet Beeghly McCrabb.....	Dayton
Judith Rae Meinhardt.....	Columbus
Joyce Louise Melsop.....	Worthington
Susan Helen Melzak.....	Richmond Heights
Mary Athena Michaelson.....	Dayton
Carol McElderry Miller.....	Lima
Cynthia Ann Miller.....	Kettering
Jeannine Ann Moneymaker.....	Columbus
Janet Meredith Nixon.....	Columbus
Ellen Mae Olson.....	Toledo
Judith Anne Pencil.....	Springfield
Patricia Kay Pope.....	Lima
Sharon Lee Rase.....	Wheelersburg
†Nancy Marie Rauch.....	Columbus
Mary Ann Rayburn.....	Middletown
Sally Eleanor Ream.....	Portsmouth
Rita Eileen Redkey.....	Columbus
Martha Jane Reed.....	Columbus
Catherine Amos Rubadue.....	Columbus
†Carol Langa Sherman.....	Euclid
Sandra Boulis Shidaker.....	Delta
Jacquelynn Albers Shimp.....	Cleveland
Susan Elizabeth Simmonds.....	Cincinnati
Judith Gail Slack.....	Marietta
Linda Kay Sommer.....	Canton
Joan Beverly Stallard.....	Akron
Barbara Ann Stewart.....	Fairborn
Patricia Jane Strang.....	Dayton
Bette Lou Streem.....	Cleveland
Linda Sue Swartz.....	Newark
Suzanne Bennett Taylor.....	Columbus
Nancy Jean Vickers.....	Columbus
Camilla Jelm Weber.....	Akron
Priscilla Weed.....	Cincinnati
†Virginia Siefert West.....	Columbus
Sheila Rae Wool.....	Dayton

(Seventy-three candidates)

† Degree and certificate

COLLEGE OF EDUCATION

Dean: DONALD P. COTTRELL

Bachelor of Science in Education

Sheila Helaine Abrams.....	Cleveland
Deborah Lynn Abramson.....	Canton
Marian Lang Acton, B.Sc. in Bus.Adm.....	Columbus
Ruth Ann Adams.....	Portsmouth
Larry Richard Airhart.....	Mansfield
Patricia Jeanne Albanese.....	Columbus
Nancy Irvin Alden.....	Wilmington
Jean Alexander.....	Grove City
Sarah Jane Alkire.....	Washington C. H.
Carol Ann Allensworth.....	Amsterdam
Barbara Brandt Allred.....	South Euclid
James Carl Andre.....	Columbus
Agnes MacKenzie Andreae, A.B. (Smith College) (summa cum laude)	Columbus
Karen Jeanette Andreas.....	Sugarcreek
Marjorie Jane Andreas (cum laude).....	Worthington
Phyllis Snider Andrews.....	New Lexington
Joan Donna Anshutz.....	Garfield Heights
Ellen Appelbaum.....	Columbus
Philip James Arena.....	Niagara Falls, N. Y.
Elizabeth Hoon Arnett.....	Westerville
Mark Ivan Ashworth.....	Kettering
Sandra Jane Babione.....	Worthington
Antonia Sophia Bahas.....	Canton
David Emmett Bailey.....	Wilmington
James Edward Bailey.....	Westerville
Donald Ross Ball.....	Columbus
Joan Barbara Ballitch (cum laude).....	Plymouth
Jerome John Banyots.....	Youngstown
Donna Gayle Barber.....	Springfield
Sallie Marie Barber.....	Johnstown
Sue Campbell Barrett.....	Shelbyville, Ky.
JoAnn Bartlett.....	Columbus
Paul William Barton.....	Columbus
Barbara Kay Bateson.....	Xenia
Bette Ann Bauer.....	St. Marys
Carol Jessie Baum.....	Lockbourne
Linda Dee Beach.....	Galion
Frank Allen Beck.....	Martins Ferry
John Emil Becker.....	Brunswick
William Westervelt Beelman.....	Columbus
Carol Ann Behm.....	Marion
Marcia Gwen Beinhart.....	Cincinnati
Jacqueline June Beisler.....	Marion
Patricia Ann Bennett.....	Columbus
Julienne Sears Berglind.....	Wooster
Winnie Joyce Better.....	Shaker Heights
Robert Arthur Betz.....	Mt. Gilead
Jean Helen Bigley.....	Solon
Helmut Birtler.....	Columbus

Carolyn Ann Bittner.....Yellow Springs
 Jane Wesley Blair.....Cincinnati
 Harry William Blausey.....Elmore
 Roberta Joan Bleakley.....Worthington
 Barbara Anne Bogart (cum laude).....Columbus Grove
 Charles Bontempo.....Cleveland
 Walter Scott Bower, B.S. (Waynesburg College).....Columbus
 Janet Keadey Boyd.....Centerburg
 John Cameron Boyle.....Columbus
 Sheryl Jean Braumiller.....Westerville
 Kathleen Marie Braun.....Galion
 Deanna Copley Breidenbach.....Reynoldsburg
 Mary Alice Gingrich Breiter.....Parma
 Anita Kersell Brittsan.....Columbus
 Mary Elizabeth Brodish.....Columbus
 Karen Lee Brooks.....Youngstown
 Donna Lee Brown.....Cleveland
 Hope Charlotte Brown.....LaGrange, Ill.
 Nancy Lynne Brown.....Springfield
 William Richard Brown.....Cleveland
 Elnora Ewing Brubaker.....Columbus
 Thomas Brun.....Columbus
 Carolyn Sue Brunk.....Springfield
 Carol Cromer Brunotte.....Cincinnati
 James Charles Bryant, B.S. (Fordham University); M.B.A. (University
 of Toledo).....Maumee
 Charles Allen Buffham.....Grand Rapids, Mich.
 Judith Ann Burngen.....Canton
 Jerry Raymond Burns.....Columbus
 Karmin Jeanne Burow.....Toledo
 Mary Jo Burt.....Worthington
 Donna Sue Buys.....Delphos
 Cynthia Ann Calcott.....East Liverpool
 John Leonard Calhoun.....Mansfield
 Penelope Ann Calhoun.....Canton
 Constance Ann Calvert.....Dayton
 Joyce Ann Cameron.....Columbus
 Nancy Ann Cannon.....Coshocton
 Elaine Louise Carpenter.....Columbus
 Diane Marie Caruzzi.....Westerville
 David Lawrence Cattee.....Columbus
 Ann Elizabeth Cecalek.....Skaelskor, Zehland, Denmark
 Aurelio Cespedes.....Medellin, Antioquia, Colombia
 David Garvin Cessna.....Cadiz
 Judith Ann Chase (cum laude).....Cleveland
 Judith Greenbaum Chernetz.....Shaker Heights
 Ernest Chiudioni.....Dillonvale
 Allan Andrew Chonko, B.A. (University of Notre Dame).....Parma
 Joyce Elaine Clark.....Sunbury
 Mary Irene Clark.....North Baltimore
 Louise Elizabeth Clerici.....New Philadelphia
 Jane Hathman Cobbs.....Cleveland
 Dorothy Bennett Coffey.....Columbus
 Joan Ellen Colbert.....West Salem
 Mel Dean Coleman.....Mansfield
 Carol Lee Colucci (cum laude).....Kettering
 Troy Gaylord Conley.....Hillsboro

Helen Danas Conn.....	Columbus
Elaine Sue Cook.....	St. Marys
Priscilla Gail Cool.....	Dayton
Judy Kay Coppus.....	Fostoria
Freda Carroll Corcoran.....	Clarksburg
Martha Davis Cottrill.....	Columbus
Terry LeRoy Cox.....	Uhrichsville
Mitzie Smith Craddock.....	Worthington
Anne Morris Craig.....	Bloomingsburg
Donis Ward Cramer.....	Columbus
Ronald John Cree.....	Portsmouth
Linda Owen Crow.....	Syracuse
Carolyn Sue Cryder.....	Kingston
Catherine Elise Cummins.....	Hamilton
Jane Carol Daily.....	Warren
Thomas Charles Dannis.....	Sugarcreek
Marilyn Davidson Daub.....	South Charleston
Carol Louise Davis (cum laude).....	Columbus
Diane Denise Davis.....	Waukegan, Ill.
Lynn Seegert Davis.....	Parma
Sherry Anne Davis.....	Worthington
Shannah Lou DeHart.....	Monroe
Robert Edward Delly.....	Euclid
Robert Lester Dendinger.....	Marion
Mary Alice Detimore.....	Salem
Marvin Alan Diamond, B.Sc. in Bus.Adm.....	University Heights
Carolyn Rose Dimmer.....	Toledo
John Charles Dirmeyer.....	Waverly
Janyce Louise Dodson.....	Columbus
James Louis Dorrance.....	Columbus
Dan Lee Dotson.....	Lima
Stephen Aaron Douglas.....	Columbus
*Sharon Kae Downey (cum laude).....	Columbus
Sharon Hanover Duerr.....	Columbus
Gene Ray Dulin.....	Marion
Jan Baxter Dunlap.....	Dresden
Jane Ann Durrstein.....	Springfield
Russell Garfield Easter.....	Hamilton
Karen Anne Eck.....	Cleveland
Mary Elizabeth Ehrensberger.....	Dayton
Doris Friece Eichensehr.....	Westerville
Maxene Carol Eigen.....	Cleveland
John Howard Emmons.....	Ashland
Shirley Huston Engle.....	Columbus
Gary Lee Epperley.....	Dayton
Beth Elaine Evans.....	Painesville
Diane Marie Everhart.....	Westerville
James Edward Farrell, B.Th. (Northwest Christian College) ; B.D., M.A. (Butler University).....	Columbus
Lois Raye Felder.....	Canton
Tobie Faye Feldman.....	Pascagoula, Miss.
Janice Ann Fenstermaker.....	Findlay
Carolyn Jean Ferrell.....	Shelby
Carol Joan Fields.....	Shaker Heights
Frank Louis Finale.....	Brooklyn, N. Y.
Robert Patrick Finical.....	Bellville

* Two degrees

Sharon Lee Fink.....	Upper Sandusky
Bridget Ann Finnegan.....	Shelby
Adelaide Elizabeth Fisher, A.B. (Wittenberg University).....	Columbus
Donald Lee Fisher.....	Columbus
Janice Feiner Fishkin.....	University Heights
Melinda Lee Ford.....	Columbus
Dorothy Bukowski Foster.....	Circleville
Mary Lynne Fouse.....	Lancaster
Marcia Ann Fox.....	Louisville, Ky.
Suzanne Riley Fox.....	Bridgeport
Carolynn Crennell Franklin.....	Euclid
Patricia Ann Frazier.....	Ashville
Theodora Bernsohn Frazier.....	Columbus
Lanita Lou Fresh.....	Columbus
Susan Rae Fries (summa cum laude).....	Columbus
Ulisse Frissora.....	Columbus
Julie Ann Froberg.....	Lakewood
Susan Elizabeth Gallagher (cum laude).....	Mt. Gilead
Kay Ellen Garverick.....	Galion
Carolyn Alice Germann.....	Van Wert
Nancy French Gernhardt.....	Columbus
Betsy Gershkovitz.....	Cincinnati
Judy Ellen Gibson.....	Ashley
Marjorie Hope Gibson.....	Warren
Thomas Albert Giles.....	Columbus
Ina Judith Gilman.....	Springfield, Mass.
Joyce Elissa Godofsky.....	Columbus
Judy Beth Goldberg.....	Dayton
Hilary Aultz Goldstein.....	Troy
Karen Sue Good.....	Toledo
Judith Alice Goodwin.....	Akron
Alexander James Gounaris.....	Dayton
Janet Beth Graber.....	Columbus
Judith Ann Graber (cum laude).....	Columbus
Ardith Lynn Granstaff.....	Port Clinton
Deborah Louise Green.....	Columbus
Sherrie Susan Greenberg.....	Toledo
Albert Jerome Greenspan.....	St. Louis, Mo.
Gloria Sophia Greenzalis.....	Columbus
Harriet Ann Griffith.....	Westerville
Patricia Ann Griffith.....	Marion
*Esther Loren Grobsmith.....	Shaker Heights
Robert Mac Groff.....	Washington C. H.
James Jeffery Gurin.....	Dayton
Trudi Harriet Guttman, B.A.....	Beachwood
Lois Jean Hafer.....	Middletown
Thomas Joseph Hamann, B.A.....	Canton
William James Hammond.....	Cleveland
Carol Jean Hampton.....	East Sparta
Vicki Joyce Handler.....	Cleveland Heights
Nancy Trevathan Hanley.....	Delaware
Joseph Patrick Hannan.....	Cleveland
Terence Joseph Hansley.....	Cleveland
Grace Frances Hardgrove (summa cum laude).....	Columbus
Carol Catherine Harlow.....	Sunnyside, L. I., N. Y.

* Two degrees

Beatrice Elizabeth Harris.....	Steubenville
Nancy Kay Harris.....	Eaton
Mary Sharon Hauck.....	Columbus
Susan Kay Hausmann.....	Newark
Maureen Ann Healy.....	Cleveland
Arlan Dwight Hedges.....	Green Camp
Susanne Nina Heines.....	Cincinnati
Mary Katherine Heistand.....	Washington C. H.
Lynnda Lee Henry.....	Bellefontaine
Nancy Jean Henry.....	Columbus
Richard Joseph Hensler.....	Corning
Nancy Gray Hicks.....	Columbus
William Russell Higgins.....	Mansfield
Jennifer Ella Highley.....	Franklin, Mich.
Peggy Ann Hightower.....	Hamilton
David John Hildreth.....	Columbus
Donna LaRene Hill.....	Columbus
Judith Ann Hillson.....	Columbus
*Marilyn Ambrose Hixon.....	Hillsboro
Michael Dennis Hock.....	Columbus
Sharon Kay Holladay.....	Hillsboro
Brenda Leslie Hoover.....	Sunbury
*James David Hopkins.....	Columbus
Alice Suzanne Horine.....	Van Wert
Margaret Anne House.....	Newark
Charles Thomas Howard.....	Leipsic
Betty Slagle Huckaba.....	Marion
Randall Logus Huffman, B.Sc. in Agr.....	LaRue
Larry Gene Hufford.....	Greenville
John Henry Hughes.....	Glencoe
Barbara Lynn Hundley (cum laude).....	Eldorado
Lawrence Frank Hunt.....	Zanesville
Donald Lester Hyatt.....	Columbus
Robert Grove Hyre, Jr.....	Worthington
Jon Joel Jacobson.....	Painesville
Ronald Franklin Jaskowiak.....	Columbus
Kay Clausing Jenkins.....	Toledo
Suzanne Lorenzen Jenney.....	Parma
Claudia Kay Johns.....	Wooster
Charles Arthur Johnson.....	DeGraff
Keawana Johnson.....	Athens
Catherine Cox Jones.....	Xenia
William Edward Jones.....	Columbus
Carol Ann Kane.....	Ashtabula
Frederick Rudolph Kaspar.....	Port Clinton
Roberta Ann Katz.....	Akron
Geraldine Miller Kaucher (cum laude).....	Bellefontaine
Susan Barbara Kaye.....	Roosevelt, N. J.
Catherine Theresa Kazienko.....	Columbus
Richard William Keller (cum laude).....	Delaware
James Martin Kennedy.....	Columbus
Wayne Gilbert Kerns.....	Wellsville
Mark O. Kerschbaum, B.Sc. in Agr.....	Columbus
Sharon Ann Kersten.....	Olmsted Falls
Nancy Jane Ketcham.....	Columbus
Charles William Kettlewell.....	St. Clairsville

• Two degrees

Sharon Morehart Kimberly.....Akron
 James Joseph Kinzer.....Hillsboro
 Sandra Kirkendall.....Marysville
 Judith Kay Kivlin (cum laude).....Columbus
 Joyce Leslie Klein.....Shaker Heights
 Susan Paula Kleinstub (cum laude).....Cleveland
 Frances Lee Kline.....Cleveland
 Rodney Frank Klingman.....Medina
 Roslyn Faye Kodish.....Akron
 Elissa Joan Kohansov.....Valley Stream, N. Y.
 Judy Wile Kossoff.....Columbus
 Erika Kostick.....New York, N. Y.
 Karen Leslie Krasnoff.....Warren
 William George Kuhn.....Clyde
 Nancy Jean Kyle.....Fairborn
 Marilyn Joy Landau.....Shaker Heights
 Betty Yates Lane.....Rochester, N. Y.
 John Warren Langham.....Columbus
 Lenore Louise Lasko (cum laude).....North Madison
 Nancy Emily Brown Latimer.....Bryan
 LeEtta Jean Lavender.....Marysville
 Mary Jo Magnelli Lavo.....Columbus
 Frances Elaine Law (cum laude).....Alexandria
 Charles Richard LeBeau.....London
 Charles Dean Leaser.....Cadiz
 Penny Liebermann Lefkowitz (summa cum laude).....Youngstown
 Francine Janet Leiderman.....Westfield, N. J.
 Carolyn Sue Leishman.....Salineville
 Lenore Kay LeMunyon.....Mansfield
 Betty Swayne Leslein.....Columbus
 Connie Dianne Leslie.....Columbus
 *Richard John Letvin.....Tallmadge
 Richard Murray Levin.....Akron
 Iris Levine.....Dayton
 Nancy Davis Lewis.....Pittsburgh, Pa.
 Nancy Hanna Lewis (cum laude).....Columbus
 Patricia Ann Lewis.....Cleveland
 Ralph Ewing Lewis.....Columbus
 Sandra Jane Lewis.....Lima
 Vikki Susan Lintala.....Wooster
 Marcia Kay Lischeid.....Cincinnati
 Mary Elizabeth Lockwood.....Ashville
 Susan Carole Logan (summa cum laude).....Columbus
 James David London.....Mt. Vernon
 Linda Ann Longfellow.....Dayton
 Linda Sue Longwell, B.F.A.....Van Wert
 Rosemarie LoPresty.....Wadsworth
 Donald Frederick Lott.....Warren
 Robert Dean Lucas.....Cincinnati
 Susan Diane Lucas.....Croton
 Linda Sue Lust.....Bucyrus
 Vincent Frank Lustig.....Thompson
 Patricia Palmer Lutzky.....Columbus
 Jerry Mac Lux.....New Holland
 Karen Elaine Lynd.....Steubenville
 Kathleen Rosell Lyon.....Newark

* Two degrees

Barbara Jo Maben..... Bay Village
 Glenda Koepfel Machado..... Teaneck, N. J.
 John Edward Machado..... Englewood Cliffs, N. J.
 Larry Ivan Madorsky..... University Heights
 Karen Mailender..... Cincinnati
 Joan Louise Manker..... Canal Winchester
 Ellen Winifred Markell..... South Euclid
 Ernest Lyle Mason..... Vermilion
 Mary Ethel Mason..... Cambridge
 Mary Jo Mason..... Bryan
 Joanne Greer Mathews..... Hubbard
 Esther Snider Matson (cum laude)..... Cincinnati
 Mary Carolyn McCleaf..... Columbus
 Barbara Sue McClory..... Fremont
 James Walter McDonald..... Columbus
 Mary Susan McDonald..... Columbus
 Laurel Herman McFarland..... Lorain
 Elizabeth Anne Dyson McGinley..... Lima
 Stephen Lyle McGuire..... Marion
 Sharon Lee McLaughlin..... Columbus
 Karen Ruth McLin..... Dayton
 Ellen Greenlee McMaster..... Lancaster
 Charles Arthur Mehaffey..... Old Fort
 Betty Saxa Meyer..... Olmsted Falls
 Robert Lewis Middleton..... Marion
 Carol Ann Miller..... Upper Sandusky
 Gary Alan Miller, B.Sc. in Bus. Adm..... Napoleon
 John Lewis Miller, B.Sc. in Agr., M.Sc..... Bucyrus
 Mary Ann Miller..... Rockford
 Philip James Miller..... Newark
 Susan Rose Mills..... Dayton
 Mary Ann Mingo..... Campbell
 Robert Carl Montgomery, Jr..... Clyde
 Myron Joe Moore..... Marion
 Linda Ann Morris..... Las Vegas, Nev.
 Richard Earl Moseley, Jr., B.Sc. in Agr..... Columbus
 James Howard Moser..... Galion
 Jerry Lawrence Mrkva, B.Sc. in Agr..... Canal Winchester
 Virginia Jane Mueller..... Cincinnati
 Ann Jane Holdsworth Mulick..... Columbus
 Sandra Loraine Mullen..... Troy
 Janice Sue Murphy..... Ironton
 Margery Fisher Murphy..... Xenia
 David Anderson Murray..... Steubenville
 Marjorie Ann Murray..... Columbus
 Karen Sue Myers..... Columbus
 Linda Kay Myers..... Columbus
 Lynn Allen Myers..... Hicksville
 Susan Gallogly Myers (cum laude)..... Columbus
 Sandra Lee Nathan..... Indianapolis, Ind.
 Diana Hosket Neely..... Dayton
 John Crosby Nelson..... Columbus
 Linda Rae Nelson..... Worthington
 Susan Louise Neutzling..... Columbus
 Janet Elizabeth Nitschke..... Columbus

Jeanne Winfield Northrup.....	Cincinnati
Melvyn Paul Nowell.....	Columbus
Leah Stierwalt Oblak.....	Fremont
Carolyn Louise Ohnsman.....	Milford Center
Linda Lee Olson.....	Niagara Falls, N. Y.
Penelope Fleming O'Neil.....	Kettering
Glenna Yvonne Hensley Osborn.....	Fairborn
David Lester Paige.....	Cleveland
Linda Lou Parke.....	Sidney
Janet Lynn Parker.....	Port Clinton
Angela Reams Parks.....	Marion
Marjorie Jean Parmenter.....	Magnolia
Anne Carswell Patterson.....	Columbus
Shirley Range Peters.....	Columbus
Robert James Pfuntner.....	Wellsville, N. Y.
Linda Lee Phillips.....	Columbus
Neil Ivan Phillips.....	Shaker Heights
Sharon Lee Pittenger.....	Columbus
Sharon Elaine Plymale.....	Hilliard
Paul Pokas.....	Bellaire
Allan Frank Poklar.....	Euclid
Susan Wilks Pollack.....	Dayton
Judith May Polster.....	Cleveland Heights
Patricia Ann Preston.....	Coshocton
Ann Pulse.....	Hillsboro
Penny Ann Pursel.....	Searington, N. Y.
Emily Ann Raab.....	Cincinnati
Barbara Ardis Radnor.....	University Heights
Lynn Marie Ransbottom.....	Springfield
Carolyn Louise Rausch.....	Columbus
Frank David Ray.....	Covington
Beverly Ruth Recht.....	Akron
Robert John Redick (cum laude).....	Parma Heights
Jacquelyn Ann Reed.....	Marion
Diana Louise Reichert.....	Fairborn
George Frederick Rengert.....	Cardington
Nancé Elizabeth Reuthe.....	Trenton
Sandra Lee Rhodes.....	Columbus
Judith Arlene Richards.....	Columbus
Larry James Richardson.....	Toronto
Katherine Bach Ricketts.....	Belle Center
Nadine Lee Ridout.....	Toledo
David Dudley Riegel.....	Amanda
Priscilla Dell Rietschlin.....	Worthington
Robert Joseph Riggs.....	Columbus
Alice Elizabeth Riley.....	Farmdale
Faith Harris Ringol (cum laude).....	Louisville, Ky.
Adrienne Elizabeth Ritchie.....	Bellefontaine
Patricia Jo Werkin Ritzhaupt.....	Steubenville
Carole Lou Roberts.....	Lewisburg
Victoria Lynne Roberts.....	Delaware
Kathleen Cronin Robinson.....	Columbus
Barbara Burt Rolf.....	Canton
Larry Eugene Roseberry.....	Marion
Ina Valcov Rosenthal.....	Columbus
Susan Ross.....	Columbus

Thomas Lee Rossetti.....	Columbus
Janis Ileen Rothenberg.....	Cleveland
Sharon Ann Rowland.....	Columbus
Elin Jan Rubin.....	Toledo
Judith Ann Rubin.....	Bellefontaine
Joseph Samuel Ruggiero.....	Washington, Pa.
Geraldine Rush.....	Columbus
Karen Van Arnam Ruskan.....	Wadsworth
Margaret Paige Ruth.....	Lincoln, Mass.
Barbara Fredritz Sarr, B.Sc. in Bus.Adm.....	Newark
Raymond Sasarak.....	Cleveland
James Corwin Sayre.....	Zanesville
Sara Katherine Schaublin.....	Lima
David Rosevear Scheiderer.....	Akron
Larry Earl Schiefer.....	Sycamore
Carol Ann Schmidt.....	Goshen
Sue Ellen Schmidt.....	Cleveland
Roger Neil Schmottlach.....	Springvale, Me.
Christine Marie Schneider.....	Columbus
Thomas Grant Scholl.....	Columbus
Terry Lee Schubert.....	Fostoria
Kay Ann Schultz.....	Springfield
Nancy Jean Schulz.....	Lancaster
Linda Walburga Schwab.....	Columbus
Carol Gloyd Scott.....	Columbus
Carole Sharon Scott.....	Cleveland
Janene Nicodemus Scovel, B.A.....	Ashland
Carol Current Searfoss.....	Lima
Darrell John Secrest.....	Caldwell
Beverly Margaret Shade.....	Findlay
Joy Arlene Shepard.....	Columbus
Linda Rae Sherman.....	Dayton
Nickola Dee Sherman.....	Columbus
Don Gerald Shkolnik.....	Columbus
Susan Brooks Shoman.....	Columbus
Barbara Brown Simpson.....	Cleveland
Richard Martin Sims.....	Piqua
Barbara Ann Smith.....	Youngstown
Calvin Matthew Smith, Jr.....	Brewster
Sonja Michelle Smith.....	Pittsburgh, Pa.
Wendell Dale Smith, B.Sc. in Agr., M.Sc.....	Marysville
Charles Kurrich Snyder.....	Mansfield
Paul Edward Snyder, B.A.....	Urbana
Sharon Zelman Spector.....	Cleveland Heights
Carolyn Lois Spencer.....	Columbus
George David Spencer.....	Geneva
Martin Aaron Spiegle.....	Shaker Heights
Charles Montgomery Sprankell II, B.A.....	Bellefontaine
Bonnie Teeple Stafford.....	Worthington
Marcia Lynn Stevenson.....	Springfield
Emily Kittredge Stewart.....	Port Washington, N. Y.
Linda Carol Stewart.....	Lima
Janet Lee Stoer.....	Mt. Sterling
Alice Anne Stone.....	Delaware
Janice Ilene Storry.....	Warren
Linda Sue Strickling.....	Frankfort

Maureen Chesnes Sturtz.....	Cleveland
Sandra Jeanne Super.....	Youngstown
Barbara Jane Sutherly.....	Troy
Ann Loscocco Swillinger.....	Columbus
Ostap Szwabinsky.....	Cleveland
Lyndon Dwight Tandy.....	Xenia
Mary Ann Telatnik.....	Avon Lake
Patricia Ann Tenney.....	Troy
C. James Terna.....	Youngstown
Donald Rawdon Thomas.....	Middlefield
James Allen Thomas.....	Barberton
Martha Maxine Thomas.....	Lima
Marylou Thornton.....	Dayton
Penelope Krieger Thuma.....	Tipp City
Helen Dunton Thurston, B.A., M.A. (cum laude).....	Columbus
Sue Ellen Tilton.....	Portsmouth
Patricia Ann Toby.....	Dayton
Thomas William Todd.....	Lorain
Betsy Marie Tolar.....	Euclid
George Stephen Tomko.....	Cleveland
Mary Jo Toner.....	Cincinnati
Mary Ramser Torges.....	Shadyside
Stephany Gersack Tornatzky.....	New Carlisle
Robert James Triano.....	Columbus
Lynda Remer Troy.....	Findlay
Thomas Palmer Tussing.....	Reynoldsburg
George John Vanis.....	Shaker Heights
Anita Lucille Vannelle.....	Bellaire
Norman Jerry Vanscoy.....	Harrisville
Joan Iris Wainer.....	Cincinnati
Penny Ingrid Wainer.....	Columbus
Linda Jane Waite.....	Painesville
Susan Robin Waldman.....	Louisville, Ky.
Terry Fletcher Walker.....	Gambier
James Jefferson Walls, B.Sc. in Bus.Adm.....	Columbus
*Nancy Lee Waters.....	Westerville
Beverly Marie Watson (cum laude).....	Massillon
Karen Sandra Weber.....	Springfield
Miriam Audrey Weber (summa cum laude).....	Shaker Heights
Carol Aronson Weinberg.....	University Heights
Harriet Ceil Weinberg.....	Cleveland Heights
Rhoda Weinman.....	Toledo
Phyllis Joan Weiser (cum laude).....	University Heights
Sheila Ann Welty.....	Springfield
Barbara Sue Wheelock.....	Gibsonburg
Jane Ann Wherry.....	Columbus
Lynne Anne Whetstone.....	Westerville
Janice Lou Whitaker.....	London
David Lynn Wigginton.....	Cambridge
James Lee Wilder.....	Galion
Kathryn Lenore Williams.....	Canfield
Regina Kay Williamson.....	Columbus
Diana Lee Willis.....	Dayton
Ardeen Lea Wills.....	Cleveland
Linda Lee Wills.....	Clarksville
James Miles Wilson.....	Columbus

* Two degrees

Aileen Marie Wimer.....	Columbus
Barbara Frances Winger.....	Cleveland
Virginia White Wirtz.....	Cincinnati
Margaret Louise Wisecup.....	Fairborn
David Lee Wolery.....	Portsmouth
Suzanne Kay Wolfe.....	Columbus
Nancy Jane Wones.....	Mt. Gilead
Beverly Anne Wright.....	Columbus
Barbara Leland Young.....	Dayton
Barton Douglas Zaner.....	Columbus
Barbara Susan Zeigler.....	Youngstown
Carol Marie Zeitz.....	Euclid
Mary Hercelia Zeller.....	Columbus
Benay Susan Zellman.....	Shaker Heights
Rosalyn Judith Zimov.....	Dayton
Janet Masters Zook.....	Canton

(Five hundred and sixty-six candidates)

Bachelor of Fine Arts

Bonita Jeanne Acker.....	Zanesville
Adelbert Vern Bartholf.....	Cheverly, Md.
Nancy Ellen Brodkey.....	Omaha, Nebr.
Melissa Jane Brown.....	Chagrin Falls
Jeremy Gordon Bush.....	Springfield
James Douglas Campbell.....	Worthington
Robert Allen Fine.....	Beachwood
John Timothy Fix.....	Cincinnati
Carol Watkins Hall.....	Kettering
Lynn Butler Hammond (cum laude).....	Columbus
Gary George Kemp.....	Fairborn
Clayton Eric Marlow.....	Columbus
Ellsworth Lawrence Ohnsman, Jr.....	Marysville
Paulette Inez Perone (cum laude).....	Cincinnati
Marilyn Wharton Robinett.....	Columbus
David Louis Romanoff.....	Cleveland Heights
Robert Edward Schwartz.....	Cleveland
Charles Maynard Senseman.....	Fairborn
Patricia Friend Spangler.....	San Diego, Calif.
Mary Kathleen Thompson.....	Akron

(Twenty candidates)

Bachelor of Music

*Sharon Kae Downey (cum laude).....	Columbus
Margaret Ann Goldthwaite.....	Columbus
Doris Elizabeth Knies.....	Columbus
John Robert Samsel.....	Toledo
John Louis Schaefer (cum laude).....	Columbus
Richard Leslie Stoltzman (summa cum laude).....	Cincinnati

(Six candidates)

* Two degrees

**Bachelor of Science
in Occupational Therapy**

Phyllis Nell Hawkins.....Columbus
Ruth Ann Heider.....Fairborn
Margaret Karen Nelson.....Oxford
Rosalie Peterman.....Fredericktown
Patricia Ann Ruhlman.....Oxford

(Five candidates)

COLLEGE OF ENGINEERING

Dean: HAROLD A. BOLZ

Bachelor of Aeronautical and Astronautical Engineering

Ronald Gary Bell.....	Lima
Dennis Hetler Bertka.....	Marion
Robert William Betts.....	Lynchburg, Va.
Jon Thomas Busch.....	Columbus
William Frederick Case.....	Granville
Gerald Elwyn Coon.....	Williamsfield
James Stewart Hann.....	Columbus
Gerald Alan Hartley.....	Columbus
Richard Paul Janoso.....	Youngstown
David Gordon Lair.....	Columbus
Gary Walter Miller.....	Navarre
Robert Lee Moore (cum laude).....	Zanesville
Thomas Hamilton Powell.....	Cincinnati
Davey Menhem Saliba.....	Cambridge
Linden Graham Stullenbarger, Jr.....	Mogadore
Karl Michael Thomas.....	Cincinnati
David Paul Tomcik.....	Barberton
Ronald Howard Wanless.....	Brilliant
Myron Clayton Young.....	Zanesville

(Nineteen candidates)

Bachelor of Agricultural Engineering

John Paul Albert.....	St. Clairsville
Theodore Lee Glenn (cum laude).....	Greenwich
Harold John Luth.....	Celina
Roy Lee Meyer.....	Rawson
David Siegfried Santoro.....	Cincinnati

(Five candidates)

Bachelor of Ceramic Engineering

Frederick William Doss.....	Lancaster
John Kyte Goodyear.....	Uhrichsville
Burhan Ilkbay.....	Denizli, Turkey
James Allen Shell.....	Farmersville
David Fred Thompson.....	Columbus

(Five candidates)

Bachelor of Chemical Engineering

Allen Roger Axline.....	Columbus
Wayne Olen Betz.....	Cuyahoga Falls
John Henry Buddemeyer.....	St. Marys
Gary Lee Croskey.....	Killbuck
Michael B. Cutlip.....	Milford
Michael Francis Dague (cum laude).....	Akron
Michael Robert Gilsdorf.....	Columbus
Walter Reid Hayhow.....	Bellevue
Dennis Walter Kirsch.....	West Portsmouth
Dennis Charles McAdams.....	Columbus

Jerome Walter Mills (cum laude).....	Doylestown
Girish Dalpatlal Parikh, B.Sc. (University of Bombay).....	Bombay, India
James Barclay Sapp (cum laude).....	Columbus
Thomas Joseph Scattoloni.....	Columbus
Douglas Earl Skillicorn.....	Bedford
Edward Allen Vajnar.....	Parma
William Verne Whitmer.....	Lakewood
Edwin John Wilson.....	Marietta

(Eighteen candidates)

Bachelor of Civil Engineering

John Edward Bartholomew, Jr.....	Powell
Robert Charles Black.....	Cleveland
Patrick Edward Blayney.....	Mansfield
Alan Roy Borson.....	Cincinnati
Larry David Close.....	Shelby
Donald Eugene Conley.....	Mt. Sterling
Alfred DiCarlo.....	Maple Heights
Albert Allen Doyle.....	Salem
Jerry Lee Francis.....	Columbus
Walter Glenn Fuller.....	Ft. Wayne, Ind.
Larry Roger Heston.....	Mansfield
Frank Glen Leach.....	Columbus
William John Lhota.....	North Canton
Larry Frederick Liff.....	Logan
David Arnold Marti.....	Ambridge, Pa.
David Randolph Mayle.....	Canton
David Warren McAnaney.....	Wooster
Fredrick Elmer Portner.....	Cincinnati
Jere Hugh Shertzter.....	Lancaster, Pa.
George Edward Smith.....	Malta
Gary Wayne Tackett.....	Dayton
Louis Vincent Vitucci.....	Hollywood, Fla.
John Charles Welch.....	Columbus
Robert Ernest Williams.....	Groveport

(Twenty-four candidates)

Bachelor of Electrical Engineering

Larry Thomas Bashark.....	Kettering
Gerald Frank Bender.....	Columbus
Giora Alexander Bendor.....	New Rochelle, N. Y.
John Earl Bittner.....	Cleveland Heights
Richard Lawrence Bouman.....	Brunswick
Raymond Arthur Budd.....	Jefferson
Robert Charles Bulkley.....	Columbus
Clarence Charles Cernik.....	Parma
Stephen Thomas Cost.....	Alliance
Joseph Ernest Dryer (cum laude).....	Columbus
Larry David Duff.....	Willshire
Robert Glen Dunbar, Jr.....	Mt. Blanchard
Robert Bernhard Dybdal.....	Glendale, Mo.
John Henry Eickel.....	Bucyrus
Frederick Francis Franklin.....	Olmsted Falls
John Freeland.....	Columbus
Neil Reese Goss.....	Logan

Ronald Dean Harman.....	Columbus
Wallace Mitsuo Iimura.....	Kalaheo, Kauai, Hawaii
Michael James Jefferies.....	Columbus
John Gary Kampfer.....	Canton
Robert Lyman Keeper (cum laude).....	Wellsville
Joseph Vincent Kelly, B.A. (Northwestern University).....	Worthington
Terence Edward Kilcoyne.....	Oxnard, Calif.
James Teh-Zen Koo (summa cum laude).....	Kowloon, Hong Kong, China
Walter George H. Kronk.....	Long Island City, N. Y.
David Frederick Lehman.....	Columbus
Frank Michael Mangini.....	Columbus
Franklin Arthur Marting.....	Ironton
Ronald Earl Melvin.....	East Liverpool
Warren Rabold Minnick.....	Gahanna
Marvin Eugene Monroe.....	Nevada
James Patrick Moreland (cum laude).....	Dayton
Richard Lee Neal.....	Gallipolis
Edmund Frank Pawlowicz.....	Toledo
David Wharton Phillips.....	Baltimore
Allen Frederick Pulk.....	Detroit, Mich.
Kenneth Lynn Reinhard.....	Kettering
Robert Lee Riegler.....	Columbus
Sam R. Scott.....	Columbus
Everett Montague Shimp.....	Columbus
Thomas John Siderewicz.....	Columbus
Anthony Francis Vacchiano.....	Dayton
James Nicholas Weber.....	Milford
Walter James Wesner.....	Columbus
Jonathan David Young (summa cum laude).....	Dayton

(Forty-six candidates)

Bachelor of Industrial Engineering

Larry Douglas Barrington.....	Lima
Phillip Dado Cameron.....	Worthington
Michael John Colburn.....	Columbus
Thomas William Ginder.....	Galion
Russell Lowell Heizer.....	Springfield
Francisco Matanzo, Jr.....	Delaware
Joe Donald Pickett.....	Crown City
Donald George Robison.....	Parma
Lee Whittinghill Samuelson.....	Findlay
Leo Singleton.....	Cincinnati
Daniel Leslie Taylor.....	Toledo
William Allen Webster.....	Hamilton
Frederick Norman Zapf.....	Vero Beach, Fla.

(Thirteen candidates)

Bachelor of Mechanical Engineering

Robert Francis Brannon.....	Zanesville
John Preston Caldwell.....	Bay Village
Richard Glenn Chapman.....	Port Clinton
William Edward Clark, Jr.....	Dayton
Frederick Bert Cook.....	Oak Hill
Alan Richard Davis.....	Carey

Donald Merle Drake.....	Columbus
Douglas Ernest Frey.....	Mentor
Arthur John Haft.....	Cleveland
Richard Clarence Hohman.....	Zanesville
Richard Jay Jeffery.....	Cleveland Heights
Robert Edmund Jones.....	Poland
Charles Lewis Linzell.....	Columbus
Dale Robert Logan.....	Kent
Paul Edmund McGill.....	Ashtabula
Terry David Murray.....	Columbus
Gerald Roger Nichols.....	Bellville
Jon Allen Ralph.....	McConnellsville
Curtis Albert Roller.....	Prospect
Panagiotis Basil Spyropoulos.....	Springfield
Tom E Stickler.....	Dayton
Ray Bernard Stout (cum laude).....	Hamersville
William Lee Tinapple.....	Columbus
Robert Carl Treue, Jr.....	Dayton
Richard Charles Uhde.....	Mansfield

(Twenty-five candidates)

Bachelor of Metallurgical Engineering

Charles Ronald Bird.....	New Bloomington
Nathaniel Miljus.....	Steubenville
John Eric Morral (cum laude).....	Columbus
Jeremy Painter Morse.....	Akron

(Four candidates)

Bachelor of Engineering in Mining

Charles Hamilton Daub.....	Ottawa
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(One candidate)

Bachelor of Science in Physics

Ralph Edgar Best.....	Syracuse, N. Y.
Robert Ivan Boughton, Jr. (summa cum laude).....	Columbus
*Wilmer Charles Gangloff, Jr.....	Cincinnati
James Maxwell Jaffe.....	Dayton
Robert Wisner Kinne (summa cum laude).....	Columbus
Donald Eugene Lauffer.....	Ardmore, Pa.
Kent Friedley Palmer.....	Chillicothe

(Seven candidates)

Bachelor of Welding Engineering

William Lee Ballis.....	Salem
Eldon DeWain Brandon.....	Coldwater
Russell Warren Flax, Jr.....	Jamestown
Richard Joe Merlini.....	Lafferty
Patrick Randolph Scott.....	Kettering
Wade Eugene Troyer.....	Millersburg

(Six candidates)

* Two degrees

SCHOOL OF ARCHITECTURE AND LANDSCAPE ARCHITECTURE

Bachelor of Architecture

Herbert Raymond Carpenter, Jr.	Grove City
Robert Stanley Davis	Columbus
Neil Alan Dick	Shaker Heights
Wolfgang Doerschlag	Blacklick
James Theone Ellis	Fremont
Paul Ross Freshwater	Columbus
Alan Harold Geiger	Lancaster
Roger L. Grimsley	Leesburg
Lee Thomas Hansen, B.Sc. in Edu.	Toledo
Thomas Andrew Heretta	Canton
Philip Allen Hughes	Youngstown
Philip Robert Johnson	Toledo
Melvin Thomas Klass	Columbus
Laszlo Gundel Koe-Krompecher	Caracas, Venezuela
Donald Roger Kruckeberg	Columbus
Robert Joseph Leuchs	East Meadow, L. I., N. Y.
Alan Robert McDonald	Columbus
James William Melsop	Columbus
William Walter Mikusa	Canton
Carl Moser Morr	Delta
John Ross Myers	Wintersville
Dennis Bruce Nicholson	Groveport
Frederick J. Osgood	Grand Rapids, Mich.
James Frank Riley (cum laude)	Columbus
Richard Paul Ross	Cuyahoga Falls
Jerry Lee Smith	Wilmington
Roger Owen Sparling	Brownsburg, Ind.
Richard Hume Talbott	Kensington, Md.
Charles Zane Wachtel	Ashland
Fred Ernest Weingand	Willoughby

(Thirty candidates)

Bachelor of Landscape Architecture

Richard Dennis Brooks	Dayton
Donald Scott Lingo	Cuyahoga Falls
Kenneth Yarnell Parsons	Toledo

(Three candidates)

COLLEGE OF LAW

Dean: FRANK R. STRONG

Juris Doctor

James Willard Carpenter, B.A.....Columbus
 Martin Richard Glick, B.A.....Portsmouth
 David Lyle Johnson, B.B.A. (University of Cincinnati).....Kettering
 William Charles Moul, A.B. (Miami University).....LeRoy
 Niki Zola Schwartz, B.A.....Columbus
 Richard R. Stedman, B.Sc. in Bus.Adm.....Columbus

(Six candidates)

Bachelor of Laws

George Raymond Barry, B.Sc. in Bus.Adm.....Portsmouth
 Gerald Taylor Baynes, B.S. in Ind.Rel. (University of North Carolina)
 London
 Roger E. Bennington, B.Sc. in Edu.....Circleville
 Jason Almon Blue, B.Sc. in Bus.Adm.....Upper Sandusky
 William Thomas Bodoh, B.S.C. (Ohio University).....Newark
 Jack Alan Bonsky, A.B. (Ohio University).....Canton
 George William Brehmer, Jr., A.B. (Ohio University).....Vermilion
 John Dennis Burns, B.Sc. in Bus.Adm.....Columbus
 Robert Frank Chaffin, B.A.....Columbus
 Levitte Henry Clapham, B.S.C. (Ohio University).....Sunbury
 Thomas Carroll Coady, B.I.E.....Columbus
 Robert William Coffman, B.A. (Ohio Wesleyan University).....Coshocton
 Gerald Stanton Collins, A.B. (Ohio University).....Cleveland
 William Michael Connelly, B.S. in S.S. (John Carroll University)...Toledo
 John Samuel DeLibera, B.A. (University of Maryland).....Hopedale
 Theresa Doss, A.B. (Ohio University).....Lorain
 Robert Lee Eberhart, B.A.....Findlay
 John Zoltan Albert Fargo, A.B. (Ohio University).....Rossford
 David Calvin Faulkner, A.B. (Hiram College).....Kenton
 Robert Irwin Friedman, A.B. (Indiana University).....Columbus
 Nelson Lawrence Gordon, B.Sc. in Bus.Adm.....Circleville
 Arthur C. Graves, A.B. (Kenyon College).....Mt. Vernon
 James Richard Gregg, A.B. (Miami University).....Lakewood
 Chris Thomas Heil, B.A. (Bethany College).....Martins Ferry
 Arnold Lee Jack, B.S. in B.A. (Kent State University).....Uhrichsville
 Carl Wendell Jones, B.Sc. in Agr.....Chillicothe
 Elliot Michael Kaufman, B.Sc. in Bus.Adm.....Shaker Heights
 David Clarence Kelley, B.Sc. in Bus.Adm.....Cuyahoga Falls
 Douglas Stephen Keyt, A.B. (Denison University).....Piqua
 Francis Thomas Kremblas, Jr., B.Ch.E.....Copley
 David Paul Kuenzli, A.B., M.A. (Ohio University).....Upper Sandusky
 Charles Boyce Lang, B.A. (Ohio Wesleyan University).....East Liverpool
 Frank Thaddeus Luarde, B.B.A. (Western Reserve University).....Girard
 Gary Whealdon Lyons, B.Mus.....Caldwell
 Samuel James McAdow, B.S. (Northwestern University).....Middletown
 David Lyle McClure, B.Sc. in Bus.Adm.....Columbus
 William Rodgers McDavid, B.Sc. in Bus.Adm.....Charleston, W. Va.
 David Edward Miller, B.A. (Bowling Green State University)...Louisville
 Marvin Christopher Miller, B.A. (University of Toledo).....Toledo
 Patrick Joyce Morin, B.A.....Columbus
 Thomas Joseph Moyer, B.A.....Sandusky

Richard Lawrence Norton, B.A.....Warren
 Frank Edward Pfaff, B.P.E. (Purdue University).....Bryan
 Daniel Joseph Rehor, B.S. in Bus. (Miami University).....Rocky River
 Donald Edward Risch, A.B. (Capital University).....Dayton
 Allen Richard Rule, B.Sc. in Bus.Adm.....Columbus
 John Theodore Ryan, B.Sc. in Bus.Adm.....Columbus
 Arnold R. Shifman, B.A.....Canton
 John Hattery Siegenthaler, A.B. (Denison University).....Mansfield
 Stanley Schreiner Smith, B.Sc. in Bus.Adm.....Washington C. H.
 Jon Ray Spahr, B.S. in Bus. (Miami University).....Kettering
 William Louis Stehle, B.B.A. (University of Notre Dame); M.B.A.
 (Indiana University).....Sandusky
 Richard Lynn Steinberger, A.B. (Butler University).....Lakewood
 Albert Shelby Tabor, Jr., B.Sc. in Bus.Adm.....Portsmouth
 Duke Winston Thomas, B.Sc. in Bus.Adm.....Niagara Falls, N. Y.
 Charles John Tyburski, B.A. (Ohio Wesleyan University)
 Charleston Heights, S. C.
 Warren Lezar Udisky, B.Sc. in Bus.Adm.....Columbus
 John Carroll Wasserman, Ph.B. (University of Detroit).....Toledo
 Donald Ruprecht Wheeler, B.A. (College of Wooster)....Glen Ridge, N. J.
 James Edwin Wilhelm, Jr., B.A.....Portsmouth
 Janice Elizabeth Wolfe, A.B. (Ohio University).....Racine
 Thomas George Zraik.....Toledo

(Sixty-two candidates)

COLLEGE OF MEDICINE

Dean: RICHARD L. MEILING

Doctor of Medicine

James Stephan Allen, A.B. (Denison University)	Dayton
Donald Allen Andre, B.Sc.	Columbus
George William Atkinson	Mansfield
Glen Frederick Aukerman, A.B. (Miami University)	Eaton
James Arrelaus Bailey, B.S. in Ed. (West Virginia State College)	Columbus
Howard Jerald Baker, B.Sc.	Shaker Heights
Paul Allen Beale, B.Sc.	Warren
James Martin Bearden, B.A. (Kent State University)	Cuyahoga Falls
Thomas Dean Beardmore, A.B. (Ohio University)	Mt. Perry
Richard James Beebe, B.Sc. in Bus.Adm.	Utica
*Charles Dean Bell (cum laude)	Wooster
Kenneth Lloyd Bergsman, B.S. (University of Dayton)	Trotwood
James Mitchell Blackford, B.Sc. (cum laude)	Martins Ferry
Harley Myron Blank, B.A.	Columbus
Leroy Bruce Bloomberg, B.A.	Youngstown
Norman Samuel Bobes, B.A.	Zanesville
William Scott Bolz, B.A.	Columbus
Richard Steven Bornstein, A.B. (Western Reserve University)	Cleveland Heights
Peter Robert Bringewald, B.M.E.	Huntington, N. Y.
John Paul Bryk, D.V.M.	North Royalton
James Duncan Burkholder, B.Sc.	Indiana, Pa.
John Alexander Burns, B.A. (Ohio Wesleyan University)	Delaware
Michael James Butler	Cincinnati
Joseph Grimes Caldwell, B.A.	Ashville
Doyle Edward Campbell, D.D.S.	Wapakoneta
John David Carey, B.A.	Wilmington
Stewart Patrick Chase, B.Sc.	Columbus
Charles Curtis Church, B.A.	Columbus
Robert Armand Cohen, A.B. (Washington and Jefferson College)	University Heights
Charles Frederick Collins, A.B. (Dartmouth College)	Worthington
*William Alta Cook	Columbus
John Cunningham, B.S.Edu., B.A. (Ohio Northern University)	Johnsville
Gary Ellis DeMuth, B.Sc.	Hicksville
Daniel Curtis Dunlap, A.B. (Ohio University)	Youngstown
Joseph Edward Duty, Jr., B.S. (University of Toledo)	Toledo
Alfred Jay Eckhardt, B.A. (Ohio Wesleyan University)	Bellefontaine
Stanley Lowell Fox, A.B. (Western Reserve University)	Shaker Heights
Nelson Randolph Fravel, Jr., B.Sc.	Fort Jennings
Gary David Friedman, B.Sc.	Akron
Harry Fronista, B.S. (University of Dayton)	Dayton
Lawrence Richard Fulmer, B.A. (Ohio Wesleyan University) (summa cum laude)	Lakewood
Joseph Carl Gabel, B.Sc.	Fremont
Richard Dean Garber	Dayton
Albert Samuel Geller, A.B. (Miami University)	Cincinnati
John Paul Goff, B.Sc.	Sunbury
Philip Ralph Gould, A.B. (Western Reserve University)	Cleveland

* Two degrees

Marvin Gene Green, A.B. (Wittenberg University).....Bellefontaine
 Eugene Frank Gulish, B.S. (University of Michigan); M.Sc.....Toledo
 Lawrence Marx Haas, B.Sc.....Columbus
 Bradford Rawson Hale, A.B. (Miami University).....Shaker Heights
 Alexander Stuart Halle, B.A. (Kent State University).....Beachwood
 Charles Alvin Hanson, B.A. (Blackburn College).....Belle Center
 Jon Allan Hardacre, B.Sc.....Wapakoneta
 Gerald Duff Harrison, B.Sc.....Columbus
 John Wilson Higbee, B.Sc. in Opt.....Shadyside
 Robert Butler Hilty, A.B. (Duke University).....Dayton
 James Joseph Hodge, B.A.....East Liverpool
 Marc Jeffry Horwitz, A.B. (Miami University).....Cleveland
 Frank Wright Humberger, B.S. (Bowling Green State University)...Clyde
 George Alexander Hunter, B.S. (Baldwin-Wallace College).....Painesville
 Charles Benson Hurst, Jr., B.S. (Wheaton College).....Dayton
 Phillip Edward Jarvis, B.A. (Ohio Wesleyan University) (cum laude)
 Van Wert
 Edward Irving Kassman, A.B. (Western Reserve University)....Cleveland
 William Howard Kaye, A.B. (Western Reserve University)
 Cleveland Heights
 Edward Joseph Kimm, B.Sc.....Minneapolis, Minn.
 Richard Thomas Knepper, B.A.....Wellsville
 William Dale Knerr, B.S. (Cornell University); D.V.M. (New York
 State College of Veterinary Medicine) (cum laude).....Shelby
 Kenneth Karl Koch, B.S. (John Carroll University).....Fremont
 James Wilbur Landes, B.Sc.....Bellevue
 James Michael Lewis, B.A. (Kent State University).....Ravenna
 Bernard James Liddy, B.S. in Bus.Adm. (University of Dayton).....Piqua
 Ronald Litvak, A.B. (Western Reserve University)....University Heights
 Alan Lloyd Longert, B.S. Phar. (Ohio Northern University)
 Cleveland Heights
 Raymond Sterling Lord III, B.A. (College of Wooster).....Fredericktown
 David Leonard Louis, A.B. (Western Reserve University).....Ashtabula
 Robert Nelson Ludwig, B.S. (Ohio University).....Lima
 Jerry Lee Maloon, B.Sc.....Union City, Ind.
 William Jerry McCloud, B.Sc.....Middletown
 Paul Timothy McGhee, B.S. (Xavier University).....Columbus
 Carolyn Renshaw McKelvey, B.A. (University of Kansas).....Columbus
 *Bruce Perry Meyer.....Columbus
 *David Lee Miller, B.Sc.....Columbus
 John Miller, A.B. (Western Reserve University).....Cleveland
 Lester Ray Mohler, B.S. (Capital University).....North Canton
 Charles Joseph Montgomery, A.B. (Duke University).....Circleville
 Paul Everett Moody, Jr., B.S. in Sec. Edu. (Austin Peay State College);
 A.M. (George Peabody College).....Ada
 Walter George Moster.....Cincinnati
 Charles Carey Nicolette, B.Sc.....Leetonia
 John Edward Niederhuber, B.S. (Bethany College).....Steubenville
 *Bjorn Whildin Nilson.....Worthington
 Peter Edward Nims, B.S. (Adrian College).....Troy
 Larry Allen Oates, B.Sc. (cum laude).....Dunkirk
 Eric Ronald Oches, B.A. (Ohio Wesleyan University).....Lakewood
 Arthur Juris Ozolin, B.S. (University of Toledo).....Toledo
 Richard Gary Paley, A.B. (Western Reserve University)
 University Heights
 John Paul Papp, B.A. (College of Wooster).....Lakewood

• Two degrees

Bruce Robert Paxton, B.Sc. (cum laude).....St. Clairsville
 Gerald Melville Penn, B.S. (University of Toledo).....Toledo
 Paul Henry Phillips, B.Sc.....Stow
 Donald Roy Piatt, A.B. (Marietta College).....Woodsfield
 Larry Joe Porter, B.S. (Muskingum College).....Gratiot
 John George Poulos, B.A. (Ohio Wesleyan University).....Akron
 Richard Ross Prouty, A.B. (Western Reserve University).....Newark
 Frederick Lee Remark, B.A. (Ohio Northern University)....Canal Fulton
 Ralph George Rohner, Jr., B.S. (Capital University).....Columbus
 Merritt Carleton Rudolph, B.A. (Ohio Wesleyan University).Liberty Center
 Thomas Wayne Ryerson, B.Aero.E.....Columbus
 Stephen Frederick Schaal, B.A. (Ohio Wesleyan University)
 (cum laude).....Akron
 Earl Andrew Schulte, B.S. (Heidelberg College).....Ashland
 Charles David Schwindt, B.Sc.....West Lafayette
 Lanny Stewart Seese, A.B. (University of Michigan) (cum laude)....Tiffin
 Jerold William Shagrin, B.Sc.....Youngstown
 Alfred Franklin Shoman, Jr., B.Sc.....Coshocton
 Ronald Frederick Shotts, B.S. (Denison University).....Youngstown
 Larry Michael Silvers, B.A. (Manchester College).....Bradford
 Robert Small, B.Sc.....Dayton
 Annemarie Sommer, A.B. (Wittenberg University) (cum laude) Springfield
 Edward DeLancy Sparks, B.Sc.....Sidney
 Robert Bond Springer, A.B. (Harvard University).....Cleveland
 Todd Craig Stallkamp, B.Sc.....Delphos
 Peter Josef Karl Starek, B.A. (College of Wooster).....Tehran, Iran
 Thomas Joseph Stefanik, B.S. (Kent State University).....Cleveland
 Phyllis Aylleen Stephenson, B.Sc.....Columbus
 Robert David Stocklin, B.A.....Chillicothe
 Marilyn Weidner Strayer, B.S. (Bluffton College).....Allentown, Pa.
 Joseph Thomas Stroyls, B.A. (College of Steubenville) (cum laude)
 Steubenville
 Gene Paul Swartz, B.S. (Denison University).....Richwood
 James Ward Swinehart, B.A. (DePauw University).....Troy
 Eugene Victor Tanski, B.S. (John Carroll University).....Hudson
 Brant William Tedrow, B.S. (Ohio University); M.Sc.....Nelsonville
 Byron Burton Timberlake, B.A. (Duke University).....Hamilton
 Louis Joseph Tisovec, A.B. (Western Reserve University).....Euclid
 Don George Traul, B.S. (University of Akron).....Cuyahoga Falls
 Richard Frank Ulrich, B.S. (Xavier University).....Cleveland
 Ronald Carl Van Buren, B.Sc. in Bus.Adm.....Carey
 Pantel Steve Vokonas, B.A. (cum laude).....Canton
 Lewis Whittier Winter, B.Sc. (McGill University) (cum laude)..Lakewood
 Richard Wilbur Worst, B.S. (Denison University).....Dayton
 Frank Creamer Wright, B.Sc.....Columbus
 *Gerald Marvin Yosowitz.....Shaker Heights
 *Stephen Joseph Zaron (cum laude).....Columbus

(One hundred and forty-one candidates)

Bachelor of Science in Medical Dietetics

Jacqueline Louise Bayer.....Euclid
 Mary Beth Cain.....Columbus
 Sharon Hock Emley.....Ostrander
 Barbara Lucile Henderson (cum laude).....St. Clairsville
 Marilyn Gayle Jay.....Columbus

* Two degrees

Barbara Lee King.....	Parma
Catherine Ellen McBride.....	Maumee
Linda Grace McMahon.....	Columbus

(Eight candidates)

SCHOOL OF NURSING

Bachelor of Science in Nursing

Virginia Cornell Acken (cum laude).....	Hilliard
Carol Lynne Ashton.....	Piqua
Nancy Jo Baehr.....	Bucyrus
Karen Ruth Bonini.....	Flossmoor, Ill.
Elaine Ruth Booth.....	Galion
Sue Ellen Bowker.....	Wilmington
Elizabeth Ida Boyd.....	Mt. Vernon
Margaret Marie Boysen.....	Kettering
Nancy Parker Briton.....	Elyria
Karen Lenore Brooke.....	Toledo
Barbara Jean Buggs.....	Cincinnati
Judith Ann Church.....	Toledo
Joan Carol Cleland.....	Columbus
Cathie Brodie Cline.....	Toledo
Kathryn Jeanne Cramblett.....	Carrollton
Nancy Lee Crist.....	Newark
Priscilla Curtiss.....	Findlay
Nancy Louise Davidson.....	Norwood
Jean Carol Davies.....	Rochester, N. Y.
Sandra Jean Deerhake.....	Toledo
Miriam Marie Dornbierer.....	Columbus
Ruth Ellen Dykes.....	Columbus
Susan Eichelberger Eldridge.....	Bucyrus
Barbara Ann Elleman.....	Dayton
Marilyn Meyer Elsass.....	Ottawa
Beverly Louise Fahy.....	Springfield
Virginia Lee Faust.....	Springfield
Letitia Lou Finley.....	Mt. Gilead
Jacqueline Dolores Fisher.....	Cleveland
Terrie McConnell Ford.....	Dayton
Elizabeth Anne Freeman.....	Wooster
Patricia Pershing Friend.....	Columbus
Karen Houser Frye.....	Cuyahoga Falls
Tamar Jane Gilson.....	Napoleon
Joyce Marie Graziani.....	Orinda, Calif.
Carol Ann Grim.....	Mt. Sterling
Sharon Kay Grimes.....	Fairborn
Rosemary Moore Grube.....	Dayton
Phyllis Georgianne Gruden.....	Chardon
Joyce Ann Haldane.....	Waverly
Constance Jay Haley.....	Springfield
Jean Ellen Haller.....	Mansfield
Rose Marie Hazucha.....	Cleveland
Nancy Denise Heinlein.....	Erie, Pa.
Marilyn Marie Herbst.....	Massillon
Patricia Ann Hieb.....	Hamilton

Diane Jessie Hoskin.....	New London
Ruth French Howser (cum laude).....	Lima
Suzanne Marie Irvin.....	Wooster
Suzanne Jennet Jackson.....	Akron
Carolyn Shaffer Jamieson.....	Rockford
Nicole Kessler Jeffers (summa cum laude).....	Columbus
Cora Avis Jenkins.....	West Mansfield
Kathleen Ann Jenkins.....	New Philadelphia
Susan Elizabeth Jones.....	Greenville
Marvel Jean Kagy, B.Sc. in Edu.....	Bloomville
Joyce Ann Karafa.....	Seven Hills
Judith Ann Kaufman.....	Akron
Annette Marie Kiefer.....	Coshocton
Amelia Louise Kiesling.....	Canton
Catherine Snider Klever.....	Wilmington
Janet Joyce Kneffler.....	Massillon
Laurene Ann Kriscak.....	Lakewood
Patty Boden Lundin.....	Bay Village
Paulette Pennington Luneborg.....	Washington C. H.
Sharon Elaine Matusoff.....	Dayton
Judith Anne McAndrews.....	Columbus
Barbara McCartney.....	Piqua
Joyce Lowe McComb.....	Middletown
Natalie Ann McConnell.....	Massillon
Normajeane Merrill.....	Springfield
Nancy Groh Miller.....	Canton
Margaret Ann Montgomery.....	Cincinnati
Derian Mooney.....	Columbus
Carol Townsend Neff.....	Salem
Terry Ann Ochsenhirt.....	Akron
Rita Karla Pfaff.....	Fairview Park
Dorothy Susan Pike.....	Akron
Sandra Sue Pope.....	Gallipolis
Linda Lou Ricker.....	Canton
Doris Jean Roediger.....	Wapakoneta
Ruth Ann Ropp.....	London
Janice Earl Ruffin.....	Cleveland
Janice Ruth Sandiford.....	Youngstown
Margaret Jean Schopfer.....	Millersburg
Mary Elizabeth Schuchert.....	McKees Rocks, Pa.
Sandra Lynn Shockey.....	Greenfield
Bonnie Lou Shoemaker.....	Columbus
Patricia Anne Shoemaker.....	Marion
Karen Helen Shufelt.....	Bellevue
June Lee Skelly.....	Navarre
Phyllis Kay Smith.....	Dayton
Barbara Morgan Spitler.....	Wooster
Pamela Nowak Stallkamp.....	Kettering
Janet Evelyn Stiff.....	Athens
Margaret Louise Stinson.....	Clinton
Sue Ellen Straker.....	Greenville
Marilyn Kay Strawman.....	Risingsun
Carolyn Ann Sunyoger.....	Steubenville
Joyce Ann Swartwood.....	Binghamton, N. Y.
Janice Lee Swartz.....	Wapakoneta
Mary Frances Smith Timmons.....	Columbus

Sally Jane Toland.....Cambridge
 Judith Lee Trimble.....Park Ridge, Ill.
 Judith Ann Tucker (summa cum laude).....Springfield
 Judy Ann Uhl.....Parkersburg, W. Va.
 Mary Vasiliou.....Lakewood
 Mary Alice Vollrath.....Marysville
 Jenni Louise Walz.....Defiance
 Karen Leah Waters.....Silverton
 Alyce Faye Wattleton.....Cleveland
 Judith Lynn Wells.....London
 Mary Margaret Wiedle.....Clyde
 Ann Jeannette Wilson.....Massillon
 Geraldine Mary Wolski.....Lorain
 Susan Eleanor Wyker.....Columbus
 Judith Elaine Yocum.....Mingo Junction
 Mary Young.....Marion
 Virginia Ward Young.....Mt. Gilead
 Margery Joan Zimmer.....Navarre

(One hundred and twenty candidates)

COLLEGE OF PHARMACY

Dean: LLOYD M. PARKS

Bachelor of Science in Pharmacy

Barry Martin Adelman.....	Akron
James Darrell Akers.....	Dayton
John Holmes Campbell.....	Columbus
Sylvia Gayle Day.....	Columbus
JoAnn Mary Flower.....	Kent
Frank George Fuschino, A.B. (Gettysburg College).....	Maplewood, N. J.
Philip Daniel Gressel.....	Cleveland Heights
Carl William Grodach.....	Beachwood
Robert Ellis Hall.....	Columbus
Sylvia Louise Harper.....	Warren
Robert Stanley Hayman.....	Hubbard
Jerry Joseph Horwitz.....	Cincinnati
Alice Sawada Ikeda.....	Uniontown
Patricia Morrison Jones (cum laude).....	Stryker
Phyllis Ann Kile.....	Caledonia
Melvin William Kroot.....	South Euclid
John Alan Lincewicz.....	Columbus
Jerry Joseph Mahone.....	Akron
William David Mason.....	Columbus
Kenneth Elson McCullough.....	Pomeroy
Gary Lee McFarland.....	Springfield
Wanda Jean Mizer (summa cum laude).....	Stone Creek
Penny Parthemos.....	Youngstown
John Pontones, B.Sc.....	Malvern
Robert Edward Purtiman.....	Bellaire
Robert Richard Risch.....	Logan
Marvin Schein.....	Jamaica, N. Y.
Lois Parrot Schiff.....	Apple Creek
Elizabeth Ann Schlemmer.....	Akron
Jay Warren Schneider.....	Portsmouth
Virginia Crider Stiles.....	Toledo
Harry Taubman.....	New York, N. Y.
Ronald Lee Taylor.....	Columbus
Edward Aloysius Tepe.....	Cincinnati
Clayton Bruce Torok.....	Cadiz

(Thirty-five candidates)

COLLEGE OF VETERINARY MEDICINE

Dean: WALTER R. KRILL

Doctor of Veterinary Medicine

Raymond Eugene Applegate, B.Sc. in Agr.....	Butler
William Henry Aspinall III, B.S. (West Virginia University)	
	Roanoke, W. Va.
Roger Knowles Beck.....	Rushsylvania
Charles August Beutel.....	Olmsted Falls
Darryl Norman Biery.....	Louisville
Dick Lessley Boyd, B.S. (Ashland College).....	Ashland
Kenneth Albert Brush.....	Leonardsburg
Linda Wrage Carpenter.....	Toledo
Ann Schola Clark, B.Sc. in Agr.....	Akron
John Edward Dearth, B.S.Agr. (West Virginia University)	
	Parkersburg, W. Va.
William David DeHoff.....	North Canton
Joseph Nicholas Farkas, B.Sc. in Agr.....	Avon
Theodore Shirl Fickes.....	Leetonia
*Max Wallace Flockert.....	Bellville
Robert Lewis Gay, B.S.Agr. (West Virginia University)....	Buckeye, W.Va.
Phillip Ray Glick.....	Stryker
Francis Howard Goldsmith, Jr., B.Sc. in Agr.....	Columbus
John Ralph Guarasci.....	Columbus
Lawrence Edward Heider.....	Fairborn
Sarah Wing Highley.....	Mechanicsburg
Donald Hugh Hostetler, B.S. (Bluffton College).....	Struthers
Douglas DeWeese Hulme.....	Piqua
William Ward Hunter, Jr.....	Fresno
Edwin Croskey Johnson, B.A. (Muskingum College).....	Flushing
Paul Joseph Klinefelter.....	Marion
Jack Rolland Knoll.....	Norwalk
Dennis Fredrich Kohn.....	Toledo
Robert Dean Linnabary, B.Sc. in Agr.....	Columbus
Thomas Lynn McCartney, B.Sc. in Agr.....	Mt. Vernon
Lawrence Theodore McGovern.....	Columbus
David Mark Miller.....	Rockford
Donald Michael Murphy.....	Springfield
Robert Louis Nehls.....	Oak Harbor
Gordon Reed Nelson.....	Galloway
James Erben Novy.....	Northfield
Russel Jacob Nyland, B.Sc. in Agr.....	Jefferson
Larry Nelson Oldham.....	Dayton
Clark Stephens Patton (cum laude).....	Springfield
Albert Ferdinand Polk, Jr., A.B. (Hamilton College).....	Dayton
Michael James Reardon (cum laude).....	Millersport
Michael Thomas Reese, A.B. (Western Reserve University) (cum laude)	
	Hinckley
Robert Walter Sayle.....	Chagrin Falls
Larry Lee Scott.....	Canton
Richard Kenneth Selby.....	Cleveland
Donald Mark Sells.....	Apple Creek
Jack Ervin Shanks.....	Urbana
Estel Eugene Snyder, B.Sc. in Agr.....	Wilmington

* Two degrees

Alfred Charles Standen, B.A., M.A. (Kent State University).....Lorain
 Edwin Lee Stanley II, B.Sc. in Agr.....Youngstown
 Earl Oliver Strimple.....Granville
 John Durant Toft II (cum laude).....Columbus
 Herbert Carl Topp.....New Bremen
 Richard Paul Tschantz, B.Sc. in Agr.....Nevada
 James Francis Vondruska.....LaGrange Park, Ill.
 Richard Stanley Werner, B.Sc. in Agr.....Terrace Park
 Oram Clark Woolpert.....Columbus
 Wallace Basil Wright, B.Sc. in Agr.....Baltimore
 *Aubrey Eugene Wyatt.....Dayton

(Fifty-eight candidates)

* Two degrees

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